

CASSETTE RECEIVER

KRC-10RA/G

KRC-158RA/G

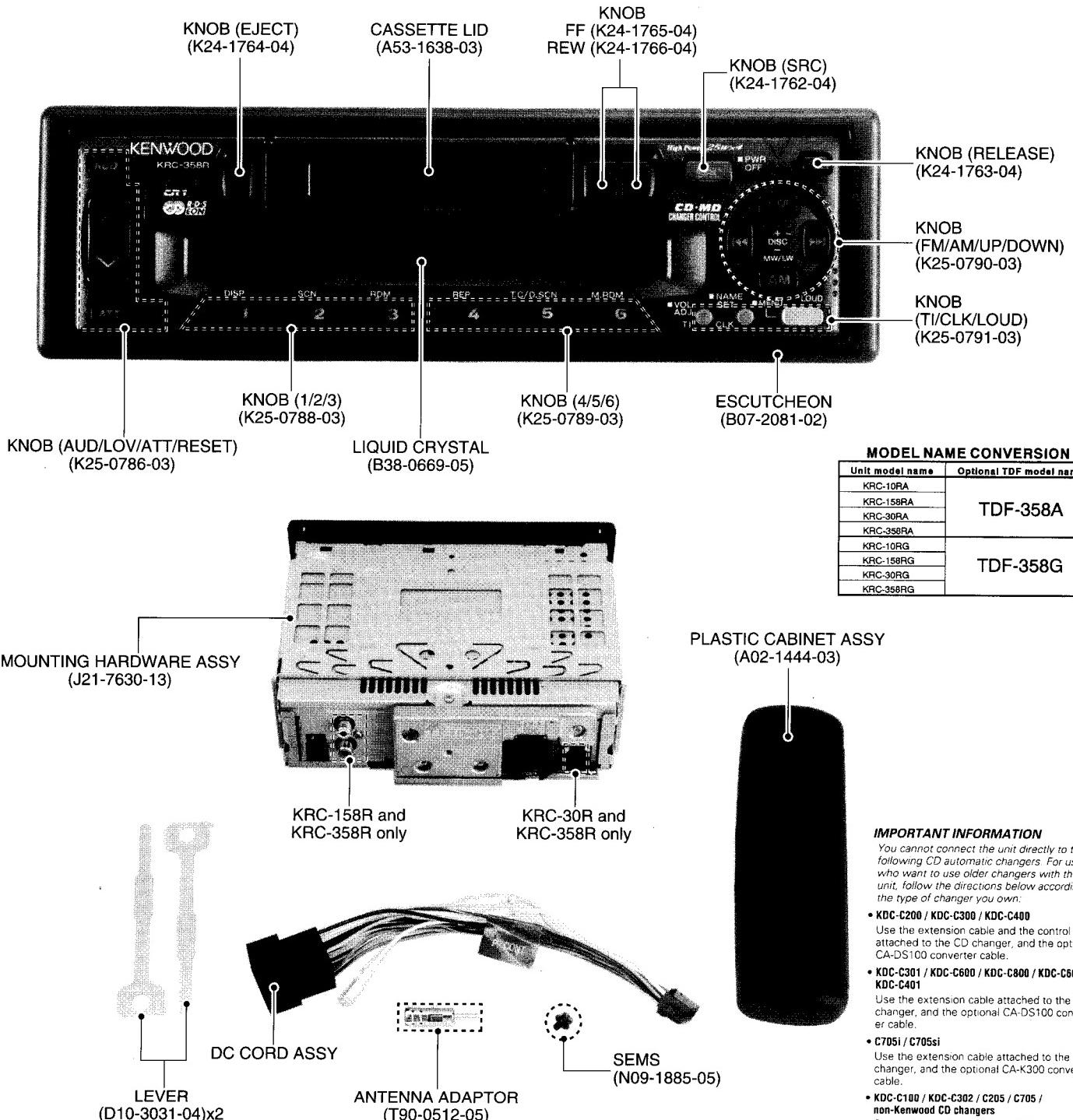
KRC-30RA/G

KRC-358RA/G

SERVICE MANUAL

KENWOOD

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IMPORTANT INFORMATION

You cannot connect the unit directly to the following CD automatic changers. For users who want to use older changers with the unit, follow the directions below according to the type of changer you own:

- KDC-C200 / KDC-C300 / KDC-C400
Use the extension cable and the control box attached to the CD changer, and the optional CA-DS100 converter cable.

- KDC-C301 / KDC-C600 / KDC-C800 / KDC-C601 / KDC-C401
Use the extension cable attached to the CD changer, and the optional CA-DS100 converter cable.

- C7051 / C7051si
Use the extension cable attached to the CD changer, and the optional CA-K300 converter cable.

- KDC-C100 / KDC-C302 / C205 / C705 / non-Kenwood CD changers

Cannot be used with this model.

KRC-10R,158R,30R,358R

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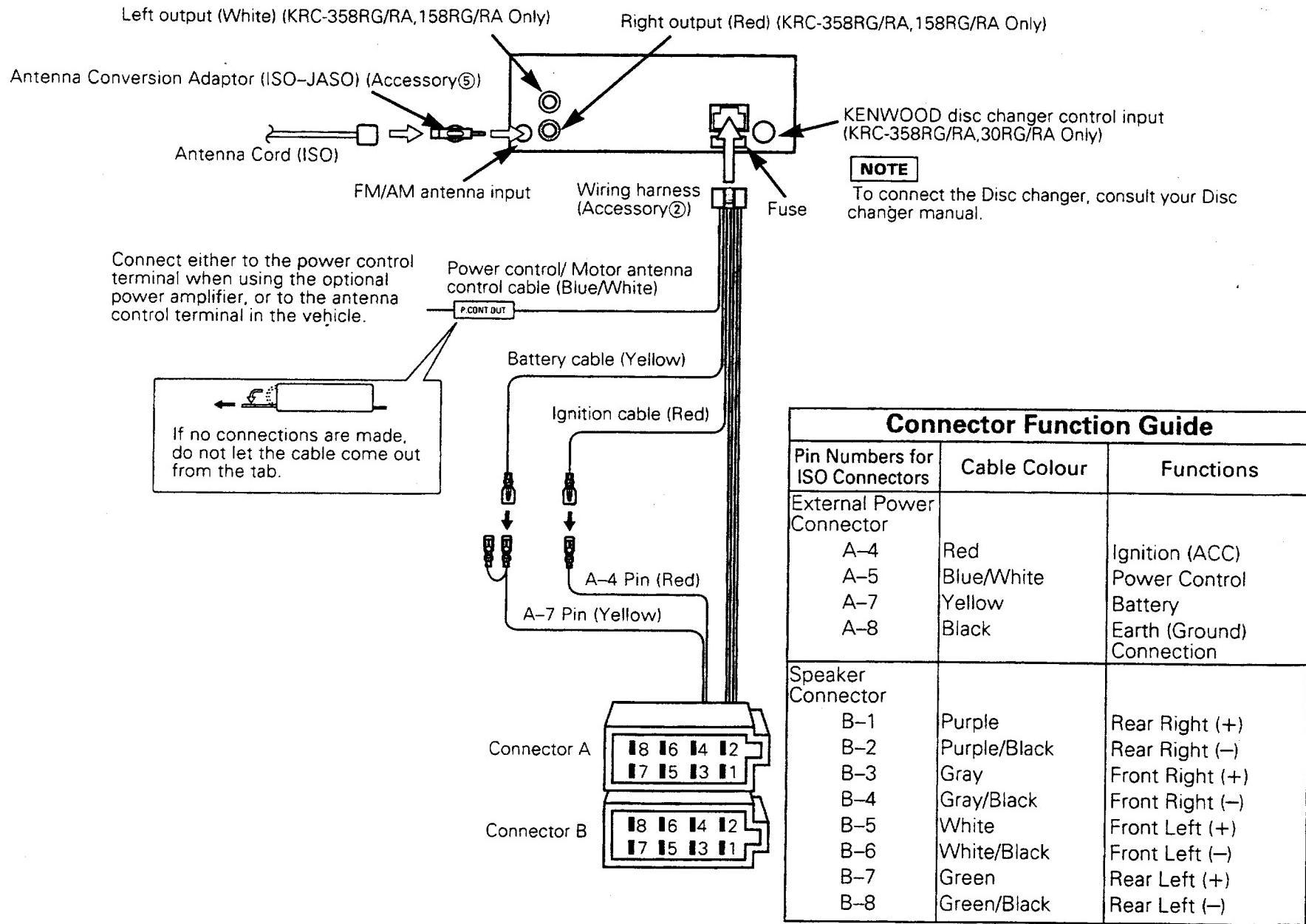
ERROR MESSAGES

The following messages are displayed when certain problems are occurring in your system. Take the recommended actions.

- | | |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EJECT | No disc magazine has been loaded in the changer. The disc magazine is not completely loaded.
⇒ Load the disc magazine properly. |
| NO DISC | No disc has been loaded in the disc magazine.
⇒ Load a disc into the disc magazine. |
| E-04 | No disc has been loaded in the disc magazine.
⇒ Load a disc into the disc magazine.
The CD is very dirty. The CD is upside-down. The CD is scratched a lot.
⇒ Clean the CD and load it correctly. |
| BLANK | Nothing has been recorded on the MD.
⇒ The next MD is automatically played back |
| NO TRACK | No tracks are recorded on the MD, although it has a title.
⇒ The next MD is automatically played back. |
| E-77
E-99 | The unit is malfunctioning for some reason.
⇒ Press the reset button on the unit. If the "E- 77" / "E- 99" code does not disappear, consult your nearest service centre. |
| HOLD | The protective circuit in the unit activates when the temperature inside the automatic disc changer exceeds 60°C (140°F), stopping all operation.
⇒ Cool down the unit by opening the windows or turning on the air conditioner. As the temperature falls below 60°C (140°F), the disc starts playing again. |

CONNECTING CABLES TO TERMINALS

KRC-10R, 158R, 30R, 358R



MENU SYSTEM

Menu System

To accommodate a greater number of functions, a menu system has been employed for making settings. Press the MENU button to enter the menu mode and then display the function to make the setting. Details on each setting are explained separately in the corresponding function page.

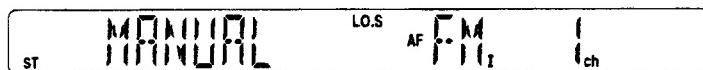
- 1 Hold down the MENU button for one second or more. "MENU" is displayed when the menu mode is entered. The function that you can adjust is indicated with the current settings displayed.

2 Selecting function to set

Press the **▶▶** button to search through the functions until you see the one you want to adjust in the display.

Press the **◀◀** button to search through the functions backward.

Example: If you want to switch the tuning mode from manual to automatic, first search through the functions until you see "MANUAL" in the display.



3 Changing setting for currently displayed function

Press either the AM or FM button.

The setting will change for each function.

Example: The tuning mode will switch from manual to automatic, and "AUTO" is displayed.



With the programme type function and the auto memory function, the function will start to activate.

NOTE

To use the auto memory function, hold down either the AM or FM button for two seconds or more.

Function	Varieties of settings for each function (display)
Disabled System Indicator	DSI ON ↔ DSI OFF ↑↓
News Bulletin Function	NEWS 00M ↔ NEWS OFF ↑↓
Local seek	LO.S ON ↔ LO.S OFF ↑↓
Selecting Tuning Mode	AUTO ↔ MANUAL ↑↓
Auto Memory Entry	A-MEMORY (start) ↑↓
*AF Function	AF ON ↔ AF OFF ↑↓
*Region Restrict Function	REG ON ↔ REG OFF ↑↓
*Auto TP Seek	ATPS ON ↔ ATPS OFF ↑↓
*Monaural Reception	MONO ON ↔ MONO OFF ↑↓
*Programme Type	PTY (start) ↑↓

4 Ending the menu mode

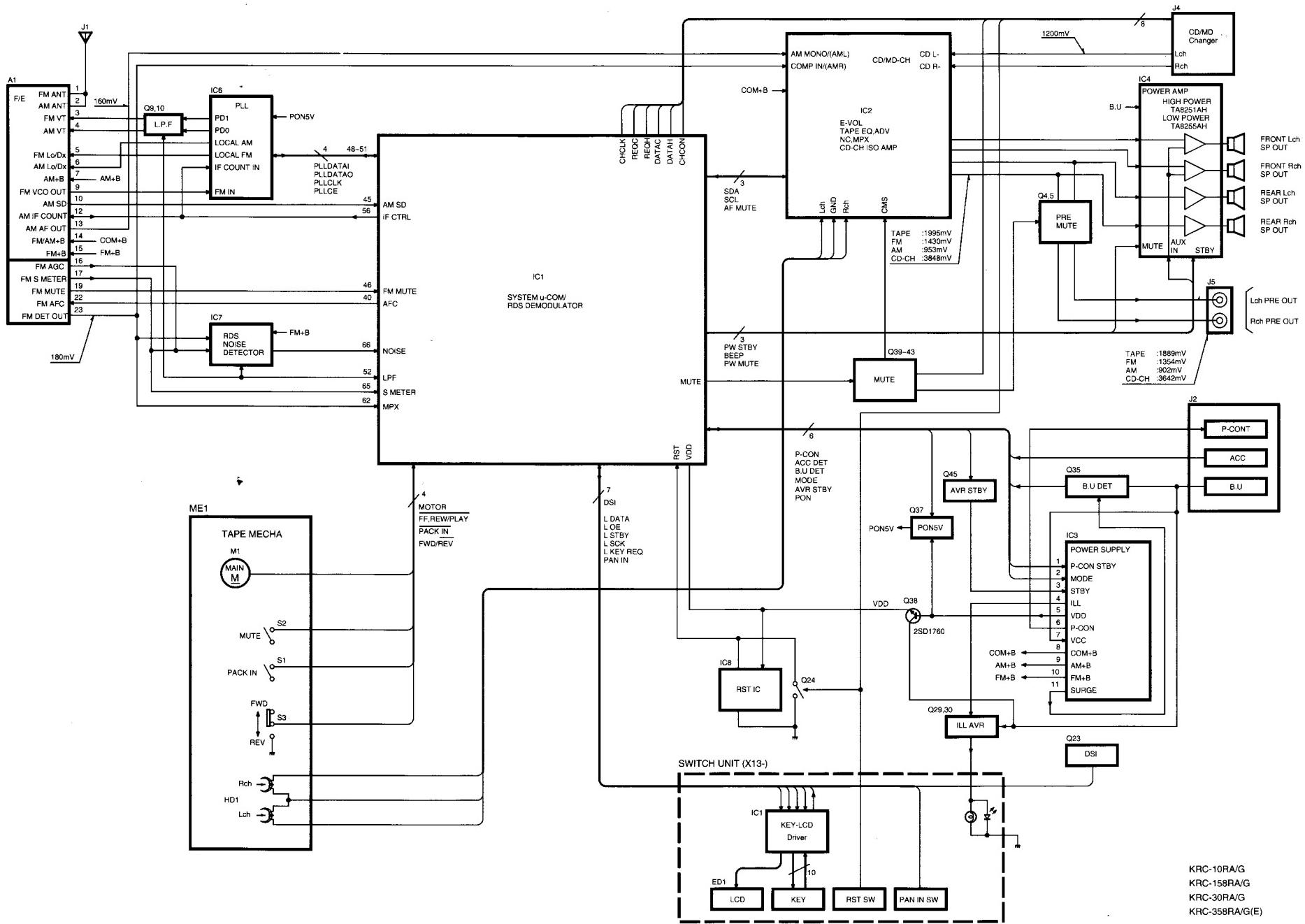
Press the MENU button.

NOTE

- Make sure to end the menu mode when finished. If you fail to end the menu mode, several functions may not operate properly, including the Traffic Information function, the News Bulletin function with PTY news timeout setting, and the Alarm function.
- Some tuner functions will not be displayed unless you are currently listening to the tuner.
- Functions marked with an asterisk (*) cannot be used during AM reception.
- The News function turns on when the setting is made for the news interruption interval. The "00M" display indicates the setting selected for the news interruption timeout interval.

KRC-10R, 158R, 30R, 358R

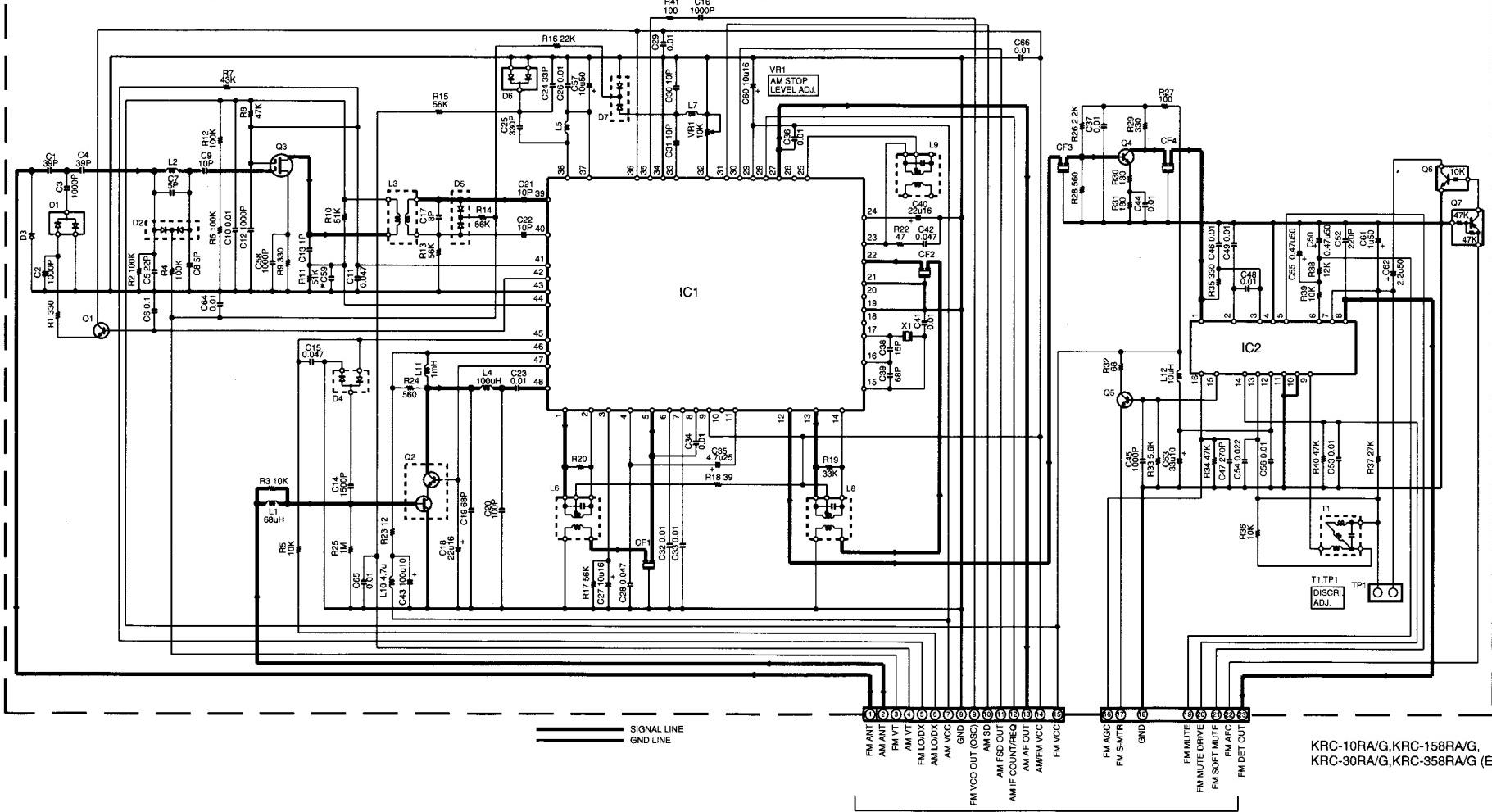
BLOCK DIAGRAM



FM/AM FRONT-END SCHEMATIC

(X14-) A1

(X14-) A1: FM/AM FRONT-END



KRC-10R,158R,30R,358R

COMPONENTS DESCRIPTION

SYNTHESIZER UNIT (X14-5522-7X)

Ref. No.	Function	Operation
IC1	System control u-COM	
IC2	Electronic volume IC	EQ amp, E-vol, NC/MPX, CH-ISO, T.ADV, Bass.
IC3	Power supply IC	
IC4	4ch Power amp (HI/LOW)	
IC5	Analog SW	
IC6	PLL frequency synthesizer	
IC7	RDS noise detection amp	
IC8	Reset IC	
Q1	CRSC SW	"ON" when multi pass noise is detected.
Q2	Muting SW	Turned on by u-COM (Pin 57).
Q3	Muting SW	"ON" when Q2 or Q42 is turned on.
Q4, 5	Muting SW	"ON" when Q41 is turned on.
Q6	L.P.F. SW	Control of IC5. Turned by u-COM (Pin 52).
Q7	Constant current driver	
Q9	FM Vt, L.P.F.	
Q10	AM Vt, L.P.F.	
Q12	Muting SW	Controlled by Q13.
Q13	Muting SW control	Turned on by u-COM(Pin 40).
Q14	Muting SW	Controlled by Q13.
Q15	FM Muting SW	Control of u-COM (Pin 46).
Q16, 17	Schmitt trigger circuit	
Q18	FM composite buffer	
Q19	Noise buffer	
Q20	PIAFC SW	Controlled by Q21.
Q21	PIAFC SW	Turned on by u-COM (Pin 52).
Q22	Panel 5V driver	"ON" when panel is attached.
Q23	DSI driver	Controlled by u-COM (Pin 28).
Q24	Reset SW	"ON" when Reset SW is pushed.
Q27	Motor SW	Turned on by u-COM (Pin 17).
Q28	Motor driver	"ON" when Q27 is turned on.
Q29, 30	Illumination AVR	Turned on by Power supply IC (Pin 4).
Q35	Back-up detection	"ON" when back-up voltage is detected.
Q36	Back-up 5V driver	Turned on by Power supply IC (Pin 5).
Q37	P.ON 5V SW	Turned on by u-COM (Pin 75).
Q38	P.ON 5V driver	"ON" when Q37 is turned on.
Q39	Muting SW	Controlled by CD-CH.
Q40	Muting SW	"ON" when Q35 is turned off.
Q41	Muting SW	Controlled by Power supply IC (Pin 11) or Q49.
Q42	Muting SW	Controlled by u-COM (Pin 58), Q39 or Q43.
Q43	Muting SW	"ON" when Reset SW is pushed.
Q44	A.G.C. buffer	
Q45	Power supply IC standby control	"ON" when power is "OFF".
Q47	Beep SW	Controlled by u-COM (Pin 80).
Q48, 49	Protection prohibition circuit	

SWITCH UNIT (X13-8972-7X)

Ref. No.	Function	Operation
IC1	LCD Driver with Key input	

KRC-10R,158R,30R,358R

CIRCUIT DESCRIPTION

(X14-) IC1 : SYSTEM μ-COM

PIN No.	PIN NAME	I/O	FUNCTION	PORT LOGIC	POWER OFF
1	GNDP	-	OUTPUT BUFFER GND		
2	VDDP	-	OUTPUT BUFFER POWER SUPPLY		
3	OSCOUT	O	OSCILLATOR OUTPUT		
4	OSCIN	I	OSCILLATOR INPUT		
5	DATAH	O	5-LINE COMMUNICATION DATA HEAD UNIT		LAST HELD
6	DATAC	I	5-LINE COMMUNICATION DATA DISC-CH		Hi-Z
7	CHCLK	I	5-LINE COMMUNICATION CLOCK DISC-CH		Hi-Z
8	GND	I	GND		Hi-Z
9	REQH	O	5-LINE COMMUNICATION REQUEST HEAD UNIT		H
10	CHCON	O	DISC-CH CONTROL	ON : H OFF : L	L
11	-	-	NO CONNECTION		L
12	-	-	NO CONNECTION		L
13	PACK IN	I	TAPE PACK IN	H : EJECT L : PACK IN	Hi-Z
14	FF, REW/PLAY	I	TAPE FF/REW	H : PLAY L : FF/REW	Hi-Z
15	-	-	NO CONNECTION		L
16	-	-	NO CONNECTION		
17	MOTOR	O	TAPE MAIN MOTOR	ON : H OFF : L	L
18	-	-	NO CONNECTION		
19	SCL	O	I2C BUS CLOCK		OPEN
20	SDA	I/O	I2C BUS DATA		OPEN
21	RESET	I	HARD RESET	ACTIVE "L"	
22	VPP	I	μ-COM TEST MODE (NORMAL OPE. : L, LEVEL FIXED)		
23	VDD	-	LOGIC CIRCUIT POWER SUPPLY		
24	GND	-	LOGIC CIRCUIT GND		
25	REQC	I	5-LINE COMMUNICATION REQUEST DISC-CH		Hi-Z
26	-	-	NO CONNECTION		L
27	-	-	NO CONNECTION		L
28	DSI	O	DSI	DSI ON : H DSI OFF : L	
29	L OE	O	LCD DRIVER ALL SEGMENTS ENABLE	SEGMENT ON : H SEGMENT OFF : L	PANEL OUT : L
30	L STB	O	LCD DRIVER STROBE		L
31	L SCK	O	LCD DRIVER CLOCK		L
32	L DATA	I/O	LCD DRIVER DATA		PANEL IN : H PANEL OUT : L
33	L KEYREQ	I	LCD DRIVER KEY REQUEST		Hi-Z
34	PANIN	I	PANEL IN DETECTION	H : PANEL OUT L : PANEL IN	Hi-Z
35	SEL3	I	PREOUT DETECTION	H : PREOUT BEING L : NO PREOUT	Hi-Z
36~39	-	-	NO CONNECTION		L
40	AFC	O	TUNER FM AFC	RECEIVING : H SEARCHING : L	L
41	GNDP	-	OUTPUT BUFFER GND		
42	VDDP	-	OUTPUT BUFFER POWER SUPPLY		
43	ACC	I	ACC	1.27V (TH)	
44	B.U.	I	VDD VOLTAGE DETECTION	3.0V (TH)	
45	AMSD	I	TUNER AM SD	H : STATION BEING L : NO STATION	Hi-Z

KRC-10R,158R,30R,358R

CIRCUIT DESCRIPTION

(X14-) IC1 : SYSTEM µ-COM

PIN No.	PIN NAME	I/O	FUNCTION	PORT LOGIC	POWER OFF
46	FMMUTE	I	TUNER FM BAND MUTE	H : STATION BEING L : NO STATION	Hi-Z
47	-	-	NO CONNECTION		L
48	P DI	I	PLL IC DATA INPUT		Hi-Z
49	P DO	O	PLL IC DATA OUTPUT		L
50	P CL	O	PLL IC CLOCK		L
51	P CE	O	PLL IC CHIP ENABLE		L
52	LPF	O	TUNER FM LPF	RECEIVING : H SEARCHING : L	L
53	SEL1	I	MODEL DISCRIMINATION	H : KRC-30R/358R L : KRC-10R/158R	Hi-Z
54	SEL2	I	NO CONNECTION	L FIXED	Hi-Z
55	-	-	NO CONNECTION		L
56	IF CTRL	O	TUNER AM IF CONTROL	NO IF CONT : OPEN IF CONT. : L	OPEN
57	AFMUTE	O	TUNER FM AF QUICK MUTE	OFF : OPEN ON : L	OPEN
58	MUTE	O	MUTE	OFF : OPEN ON : L	OPEN (10 SEC.LATER)
59	RDSCOMP	I	RDS COMPOSITE INPUT		
60	RDSFIL	O	RDS FILTER OUTPUT		
61	RDSREF	I	RDS REFERENCE INPUT		
62	MPX	I	RDS INPUT SIGNAL		
63	VDDA	-	ANALOG POWER SUPPLY		
64	GNDA	-	ANALOG GND		
65	SMETER	I	TUNER FM S-METER	0.5V (TH)	Hi-Z
66	NOISE	I	TUNER FM NOISE		Hi-Z
67	P MUTE	O	POWER MUTE	ON : H OFF : L	L
68	FWD/REV	I	TAPE PLAY DIRECTION	H : FWD L : REV	Hi-Z
69	TESTMODE	O	TEST MODE ON	TEST MODE ON : H TEST MODE OFF : L	L
70	-	-	NO CONNECTION		L
71	BUP	I	BACK UP	H : OFF L : ON	Hi-Z
72	PW STBY	O	POWER IC STANDBY	ON : H OFF : L	L
73	FM/AM	O	TUNER FM/AM SELECT	AM+B : H FM+B : L	L
74	AVR STBY	O	AVR STANDBY	PWR OFF : H PWR ON : L	L
75	PON	O	POWER ON 5V	ON : H OFF : L	L
76	PCON	O	POWER CONTROL	ON : H OFF : L	L
77	RDSCLK	O	RDS CLOCK OUTPUT		L
78	RDSDATA	O	RDS DATA OUTPUT		L
79	-	-	NO CONNECTION		L
80	BEEP	O	BEEP		L

KRC-10R,158R,30R,358R

ADJUSTMENT

Set the controls and switches as follows.

BALANCE	:center position	LOUD	:OFF
FADER	:center position	LOCAL	:OFF
BASS	:center position	AUTO	:OFF
TREBLE	:center position		

NO	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER)	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRIMINATOR	(A) 98.1MHz 0dev 60dB μ (ANT input)	Connect a DC voltmeter to TP1 (A1, X14-)	FM 98.1MHz	T1 (A1, X14-)	0V	(a)
2	ANRC (STOP LEVEL)	(C) 98.1MHz 1kHz, ± 40 kHz dev Pilot: ± 6.0 kHz dev Selector: L or R 35dB μ (ANT input)	(B)	FM 98.1MHz	VR1 (X14-)	Separation 10dB	
AM SECTION							
(1)	STOP LEVEL	(D) 990kHz 400Hz 30% mod 35dB μ (ANT input)	-	AM 990kHz	VR1 (A1, X14-)	STOP	
CASSETTE DECK SECTION							
[1]	AZIMUTH	MTT-114 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each Lch/Rch or FWD/RVS becomes maximum	(b)

EINSTELLUNGEN

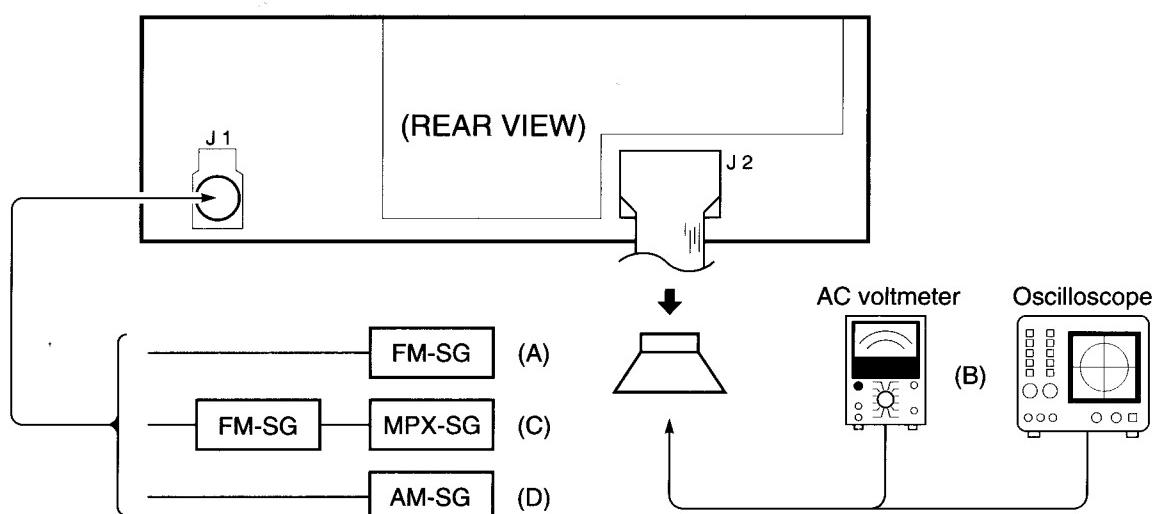
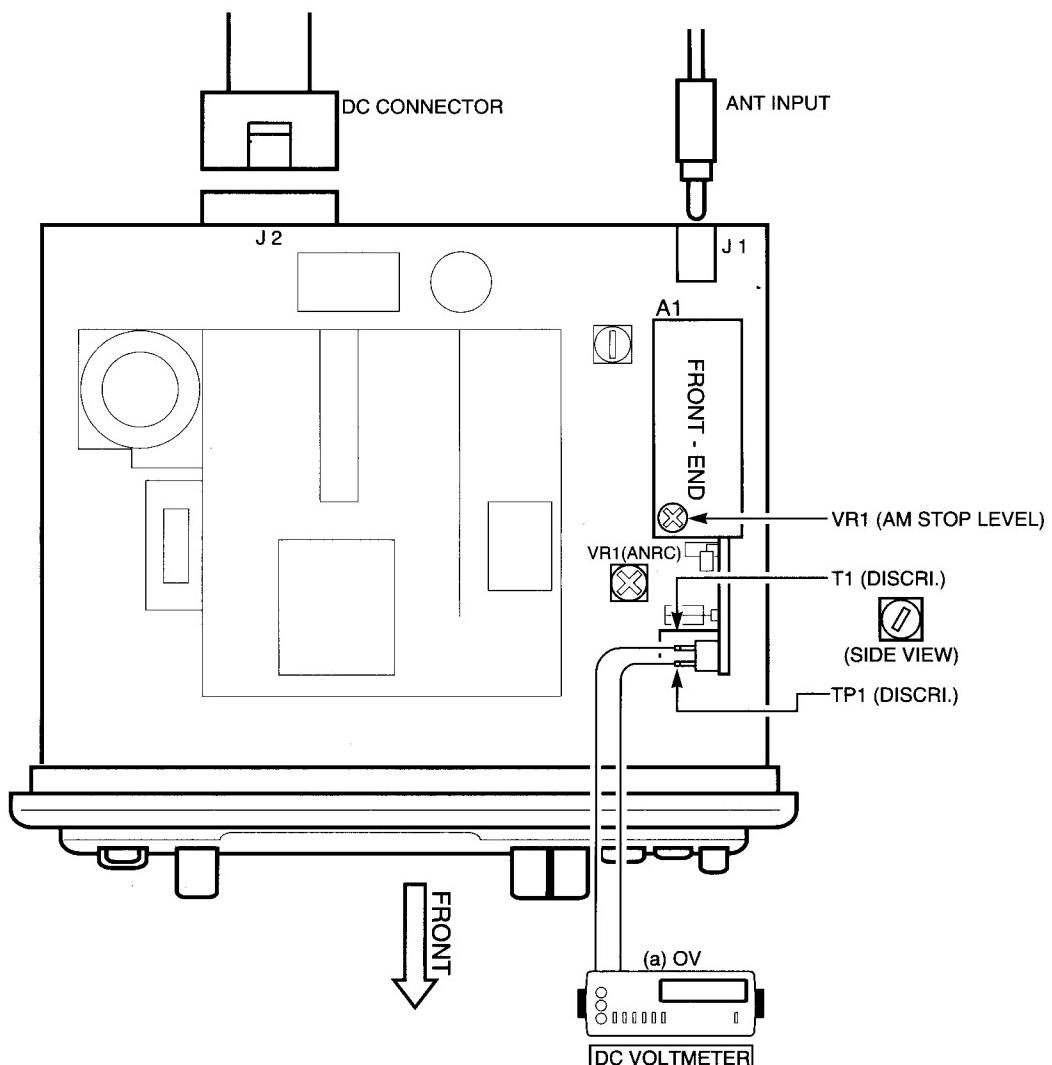
Die Regler und Knöpfe wir folgt einstellen.

BALANCE	:Mittelage	LOUD	:OFF
BASS	:Mittelage	LOCAL	:OFF
FADER	:Mittelage	AUTO	:OFF
TREBLE	:Mittelage		

NR	GEGENSTAND	EINGANGS EINSTELLUNG	AUSGANGS EINSTELLUNG	TUNER (RECEIVER) EINSTELLUNG	ABGLEICH PUNKTE	ABGLEICHEN FÜR	ABB.
UKW-ABTEILUNG							
1	DISKRIMINATOR	(A) 98.1MHz 0Hub 60dB μ (ANT-Eingang)	Den Gleichstrom Voltmeter TP1 anschließen (A1, X14-)	FM 98.1MHz	T1 (A1, X14-)	0V	(a)
2	ANRC (SUCHENHALT PEGEL)	(C) 98.1MHz 1kHz, ± 40 kHz Hub Pilot: ± 6.0 kHz Hub Wahler: L or R 35dB μ (ANT-Eingang)	(B)	FM 98.1MHz	VR1 (X14-)	Trennung 10dB	
MW-ABTEILUNG							
(1)	STOP LEVEL (SUCHENHALT PEGEL)	(D) 990kHz 400Hz 30% mod 35dB μ (ANT-Eingang)	-	MW 990kHz	VR1 (A1, X14-)	HALT	
CASSETTEN-DECK-ABTEILUNG							
[1]	AZIMUTH	MTT-114 10kHz	(B)	Bandwiedergabe	Kopfazimutschraube	So einstellen, daß das Azimuth für jeweils L-CH/R-CH oder FWD/RVS maximal wird	(b)

KRC-10R,158R,30R,358R

ADJUSTMENT POINT VIEW



KRC-10 RA/G
158 RA/G
30 RA/G
358 RA/G

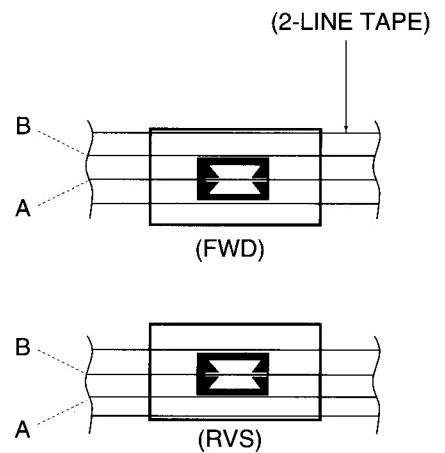
KRC-10R,158R,30R,358R

ADJUSTMENT / EINSTELLUNGEN (MECHA.)

Head Angle Adjustment

Head height alignment procedure

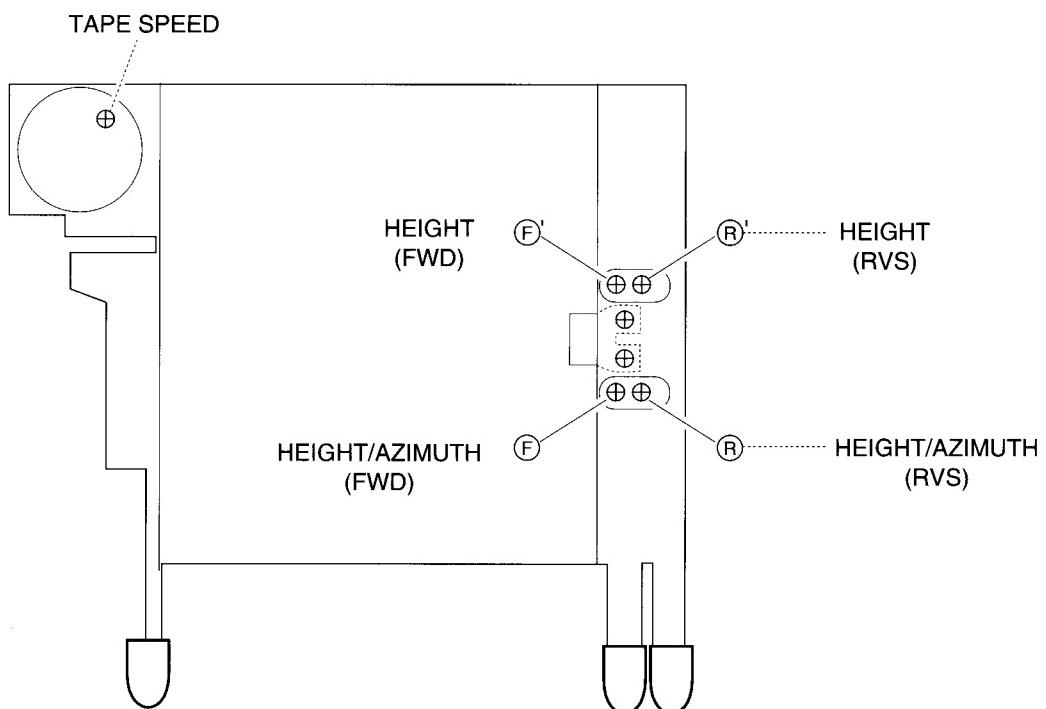
- During FWD transport adjust screws \textcircled{F} and \textcircled{F}' so that line A of 2-LINE TAPE passes through the center of the head shield plate (core center area)
- During RVS transport adjust screws \textcircled{R} and \textcircled{R}' so that line B of 2-LINE TAPE passes through the center of the head shield plate core (center area)
- After the alignment above, reverse the transport direction and check the FWD alignment again. If it is deviated, perform alignment again. (Tape used : SCC-1659, manufactured by A-BEX)



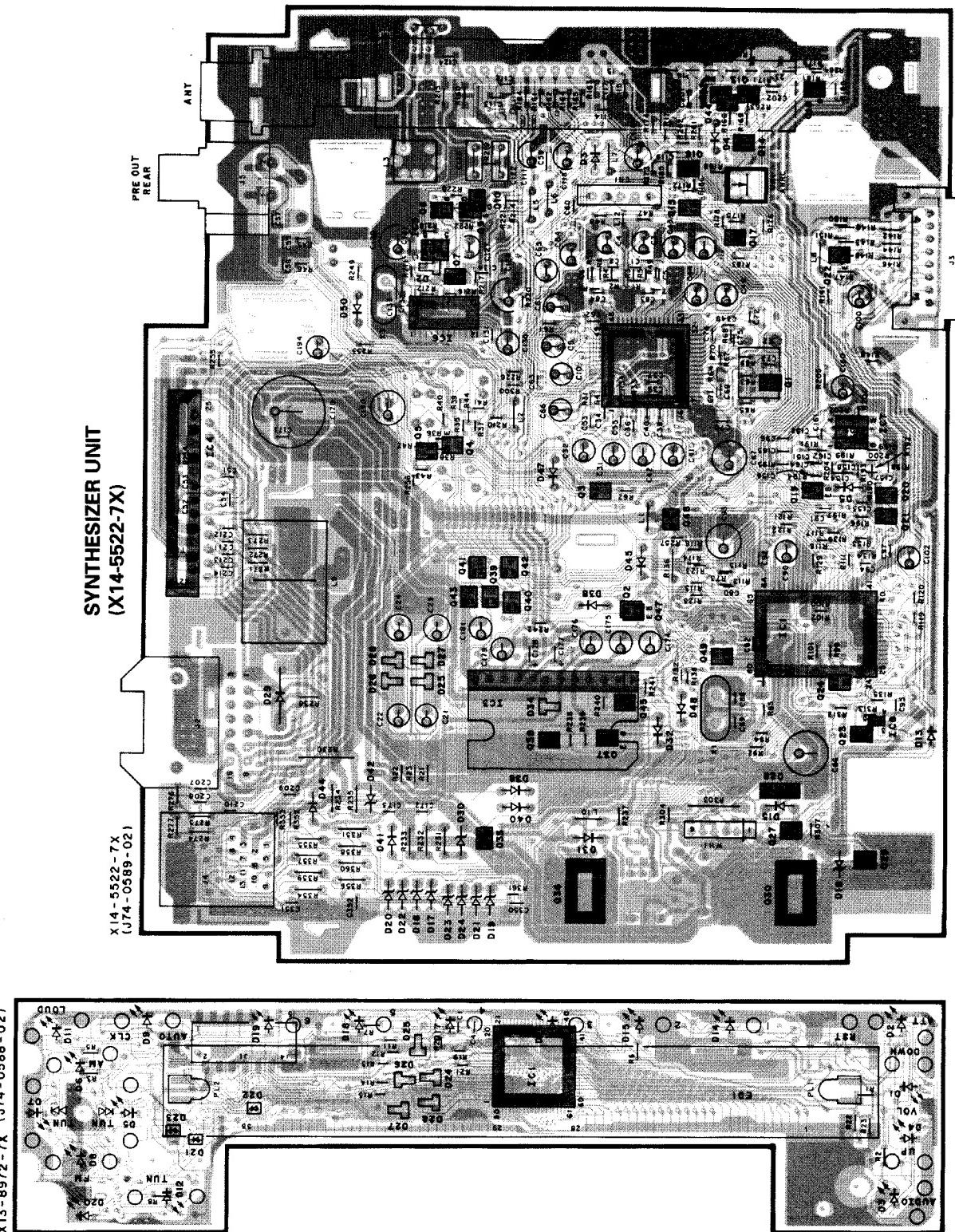
Einstellung des Kopfwinkels

Vorgehensweise bei der Kopfhöhen-Einstellung

- Während des Bandlaufs in Vorwärtsrichtung die Schrauben \textcircled{F} und \textcircled{F}' so einstellen, daß die Linie A eines 2-Linien-Bands (2-LINE TAPE) durch die Mitte der Kopfabschirmplatte (Zentrum des Mittelbereichs) verläuft.
- Während des Bandlaufs in Rückwärtsrichtung die Schrauben \textcircled{R} und \textcircled{R}' so einstellen, daß die Linie B eines 2-Linien-Bands (2-LINE TAPE) durch die Mitte der Kopfabschirmplatte (Zentrum des Mittelbereichs) verläuft.
- Nachdem die obige Einstellung abgeschlossen ist, die Bandlaufrichtung umkehren und die Ausrichtung in Vorwärtsrichtung noch einmal überprüfen. Wenn eine Abweichung festgestellt wird, ist diese Einstellung zu wiederholen. (Verwendetes Band: SCC-1659, hergestellt von A-BEX)



PC BOARD (Component side view)



Refer to the schematic diagram for the values of resistors and capacitors.

F

G

H

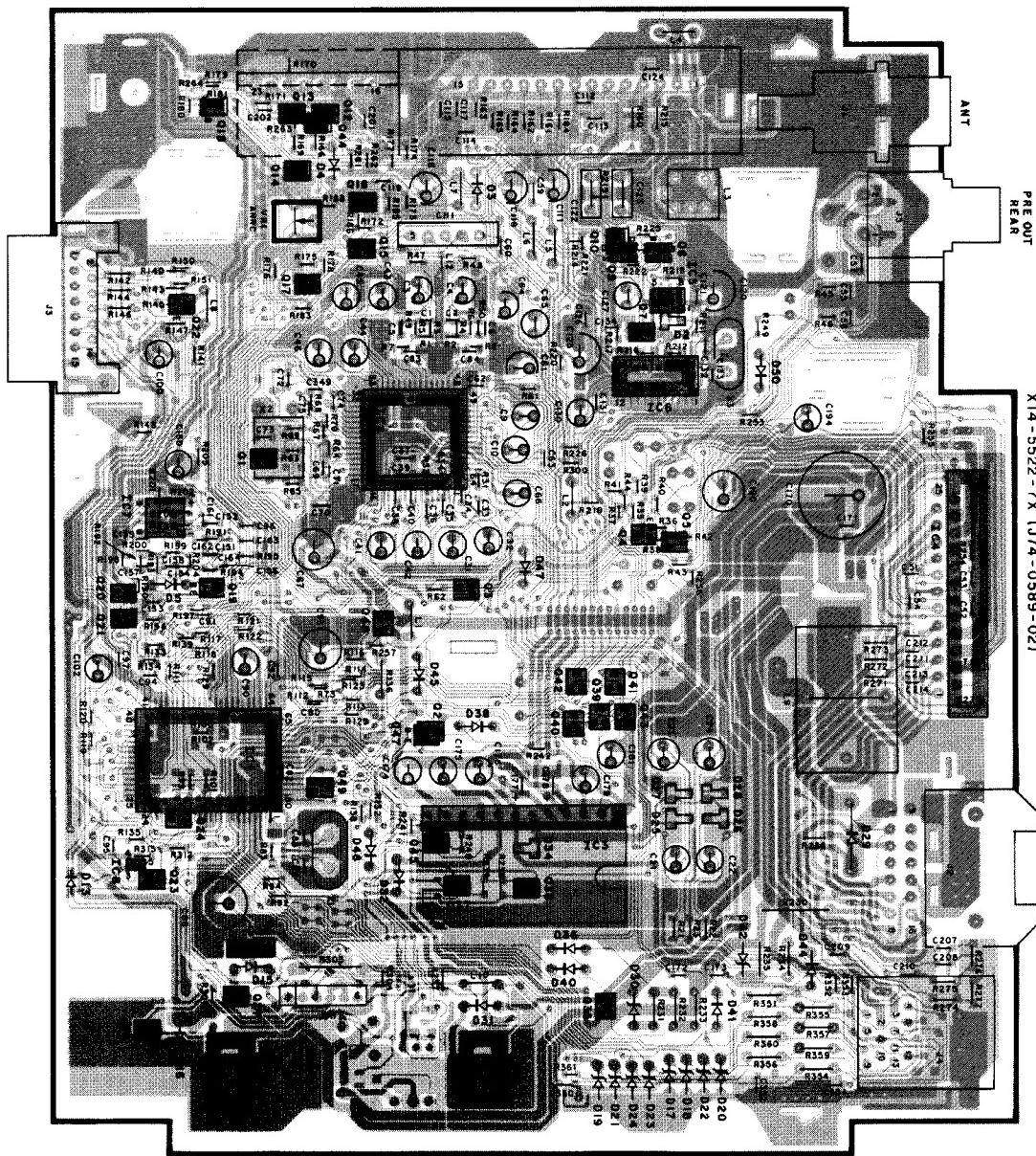
I

J

PC BOARD (Foil side view)

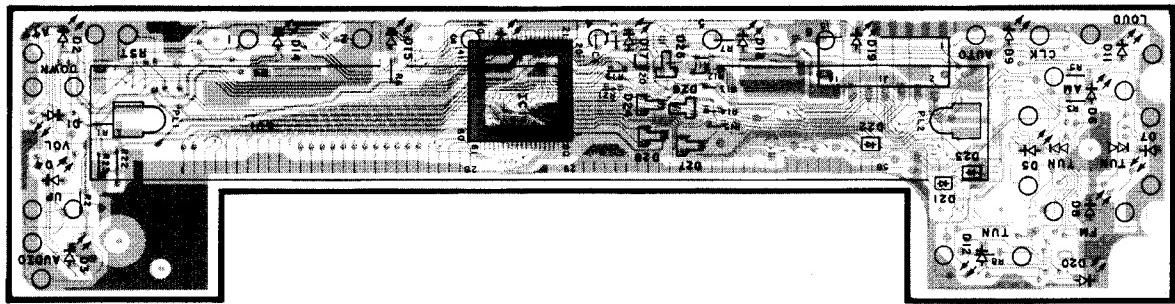
**SYNTHESIZER UNIT
(X14-5522-7X)**

X14-5522-7X (JJ4-0589-02)



**SWITCH UNIT
(X13-8972-7X)**

X13-8972-7X (JJ4-0588-02)



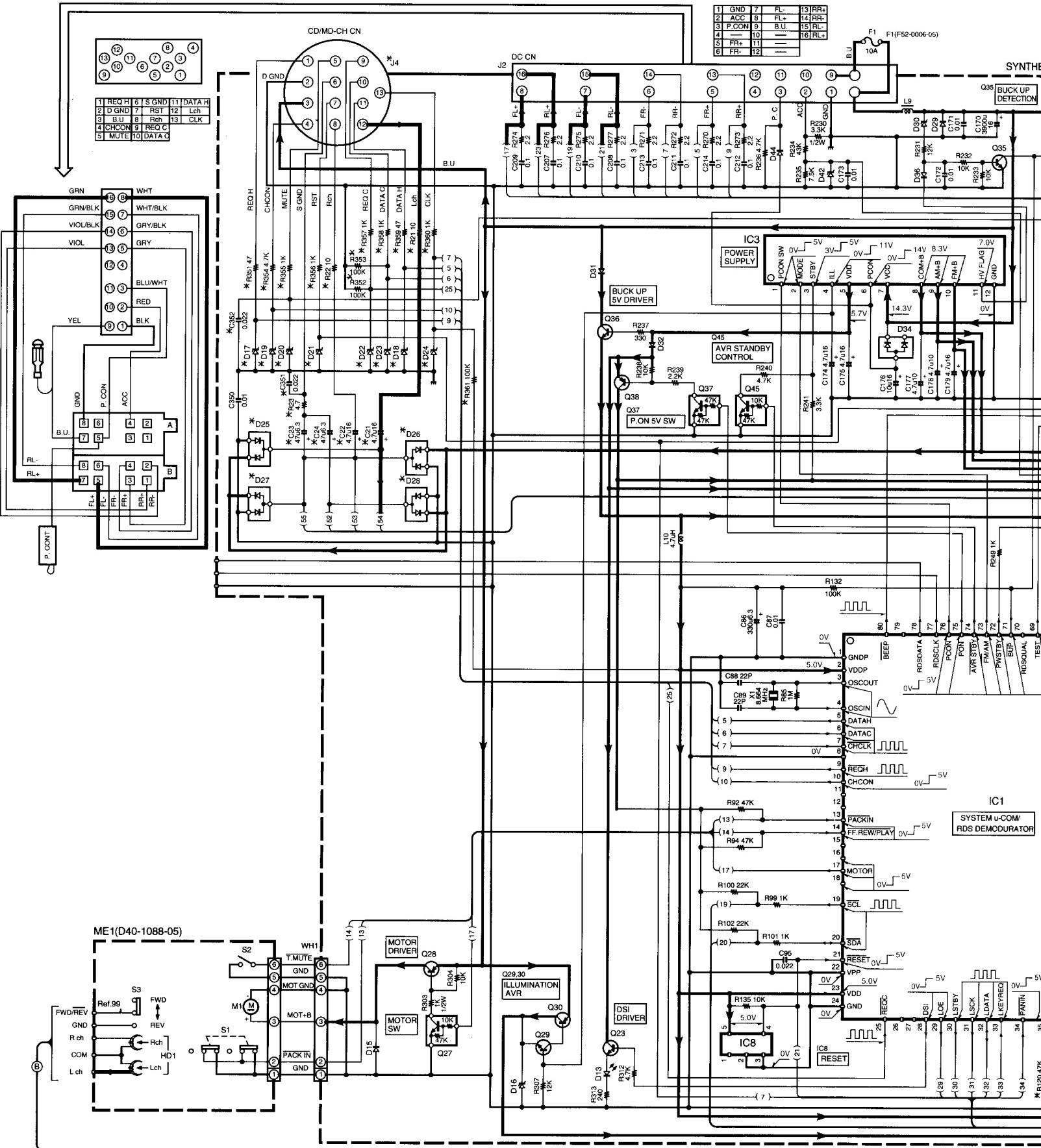
A

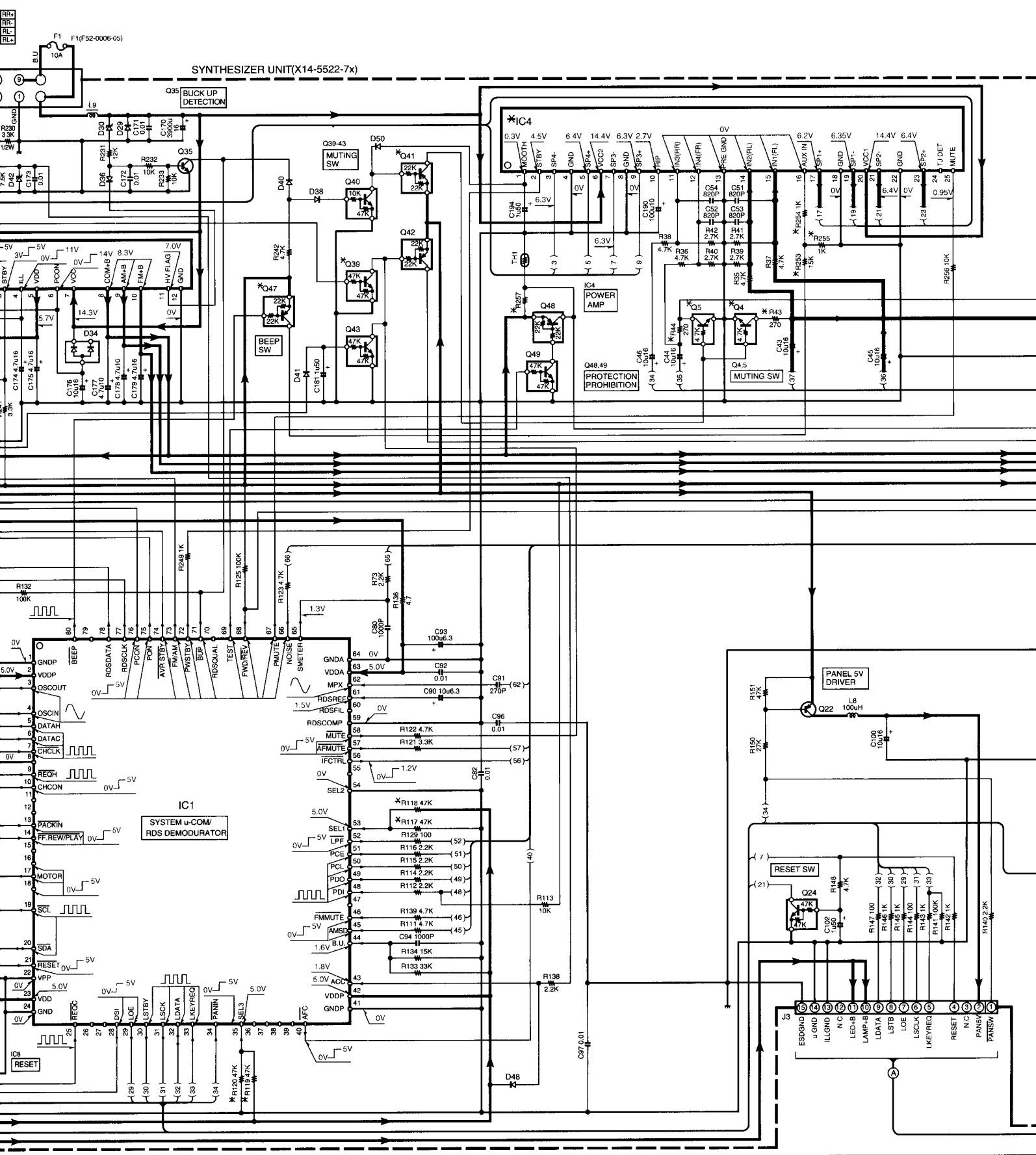
B

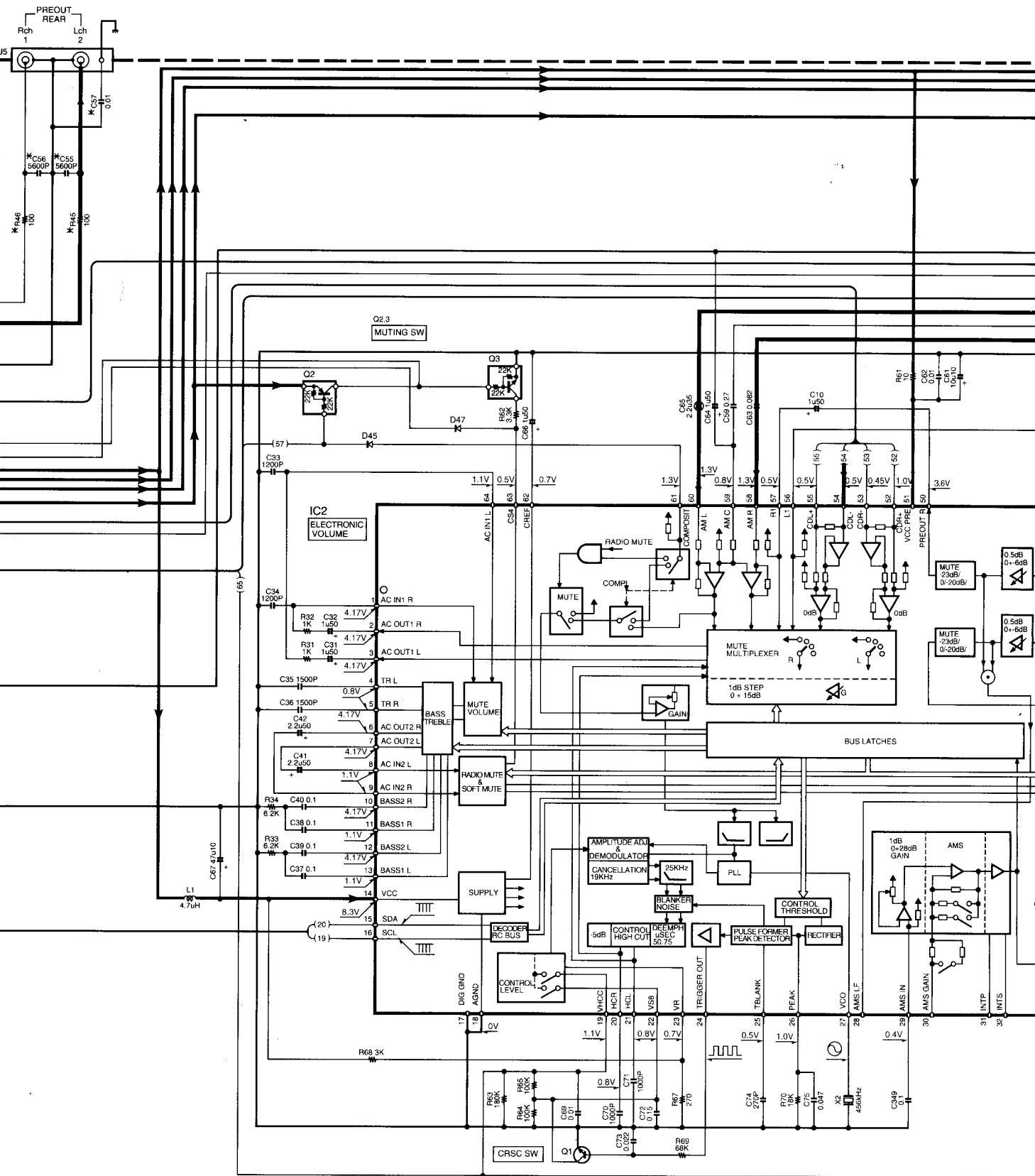
C

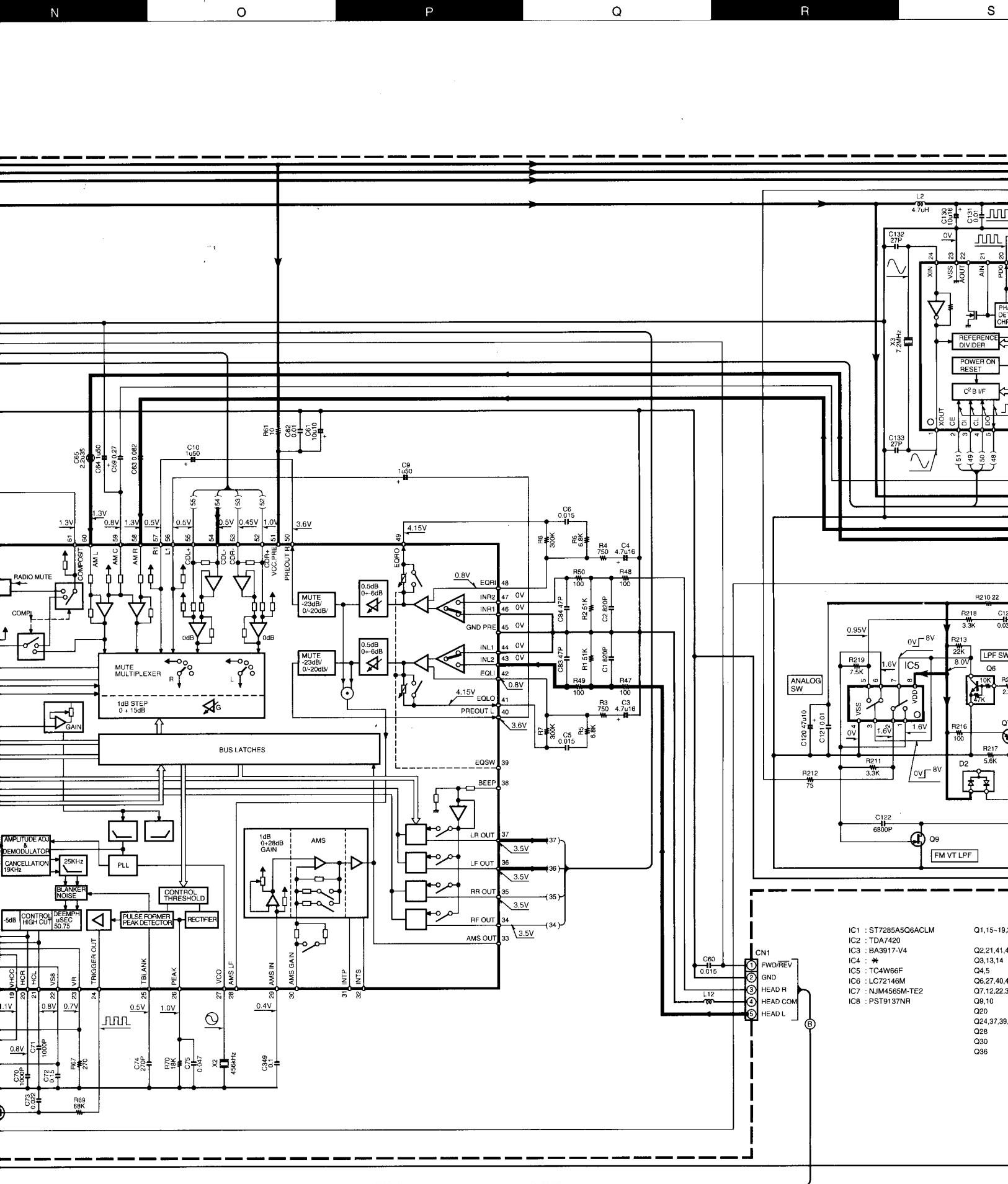
D

E









IC1 : ST7285A5QACLM

IC2 : TDA7420

IC3 : BA3917-V4

IC4 : *

IC5 : TA4W66F

IC6 : LC72146M

IC7 : NJU4565M-TE2

IC8 : PST9137NR

Q1,15-19,2

Q2,21,41,42

Q3,13,14

Q4,5

Q6,27,40,45

Q7,12,22,38

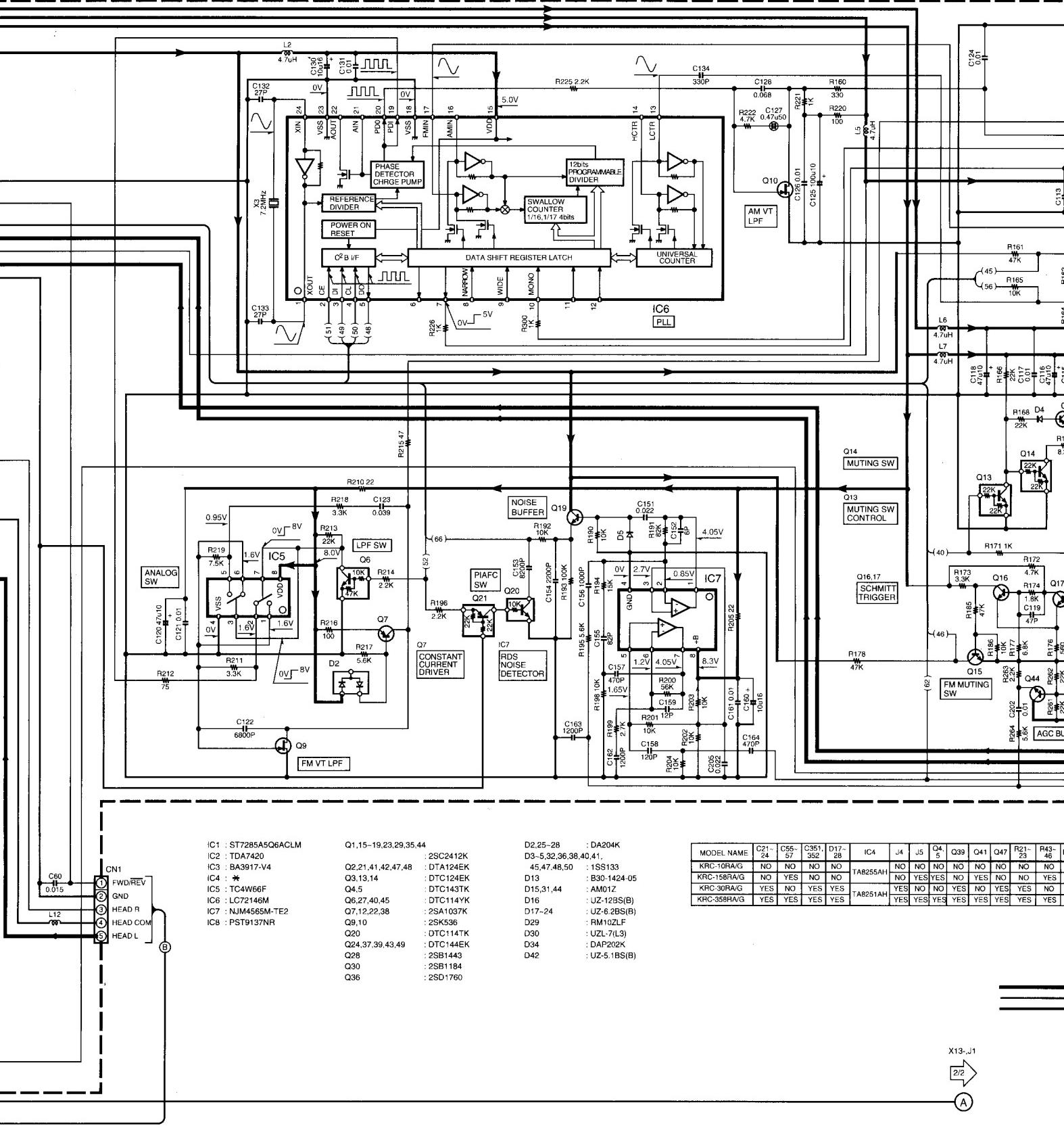
Q9,10

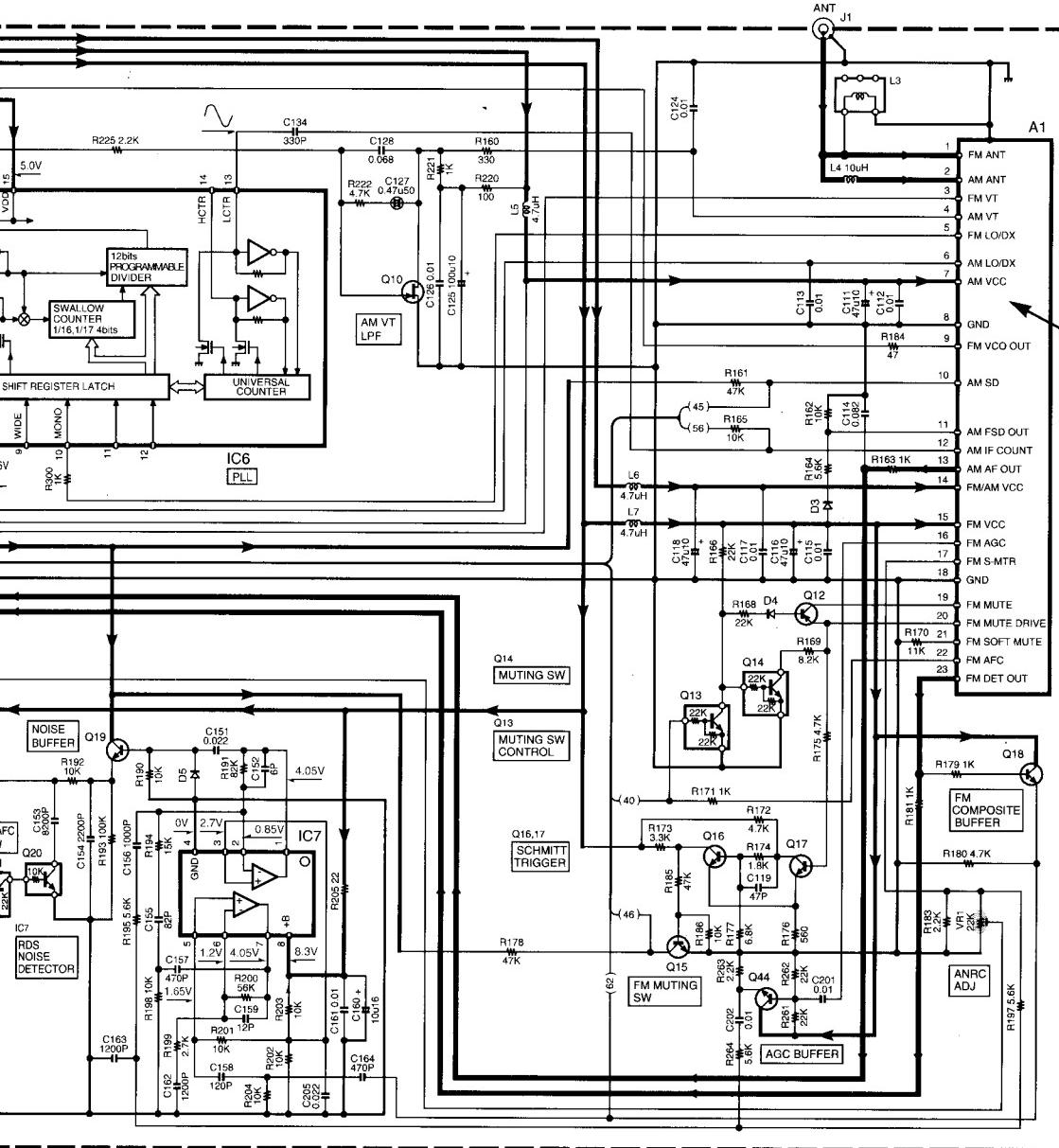
Q24,43,37,39,4

Q28

Q30

Q36





Refer to page 6 for A1's schematic.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

D2,25-28 : DA204K
 D3-5,32,36,38,40,41,
 45,47,48,50 : 1SS133
 D13 : B30-1424-05
 D15,31,44 : AM01Z
 D16 : UZ-12BS(B)
 D17-24 : UZ-6.2BS(B)
 D29 : RM102LF
 D30 : UZL-7(L3)
 D34 : DAP202K
 D42 : UZ-5.1BS(B)

MODEL NAME	C21-24	C55-57	C351-352	D17-28	IC4	J4	J5	Q4,5	Q39	Q41	Q47	R21-23	R43-46	R117	R118	R119	R120	R253-255	R257	R351-361
KRC-10RA/G	NO	NO	NO	NO	TA8255AH	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	YES	NO	NO	NO	
KRC-158RA/G	NO	YES	NO	NO		NO	YES	YES	NO	YES	NO	NO	YES	YES	NO	YES	NO	3.9K	NO	
KRC-30RA/G	YES	NO	YES	YES	TA8251AH	YES	NO	NO	YES	NO	YES	NO	NO	NO	YES	NO	YES	YES	NO	
KRC-358RA/G	YES	YES	YES	YES		YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	NO	YES	4.3K	YES

SIGNAL LINE
 GND LINE
 +B LINE

X13-J1

2/2

A

KRC-10RA/G (1/2)
 KRC-158RA/G (1/2)
 KRC-30RA/G (1/2)
 KRC-358RA/G (1/2)

AA

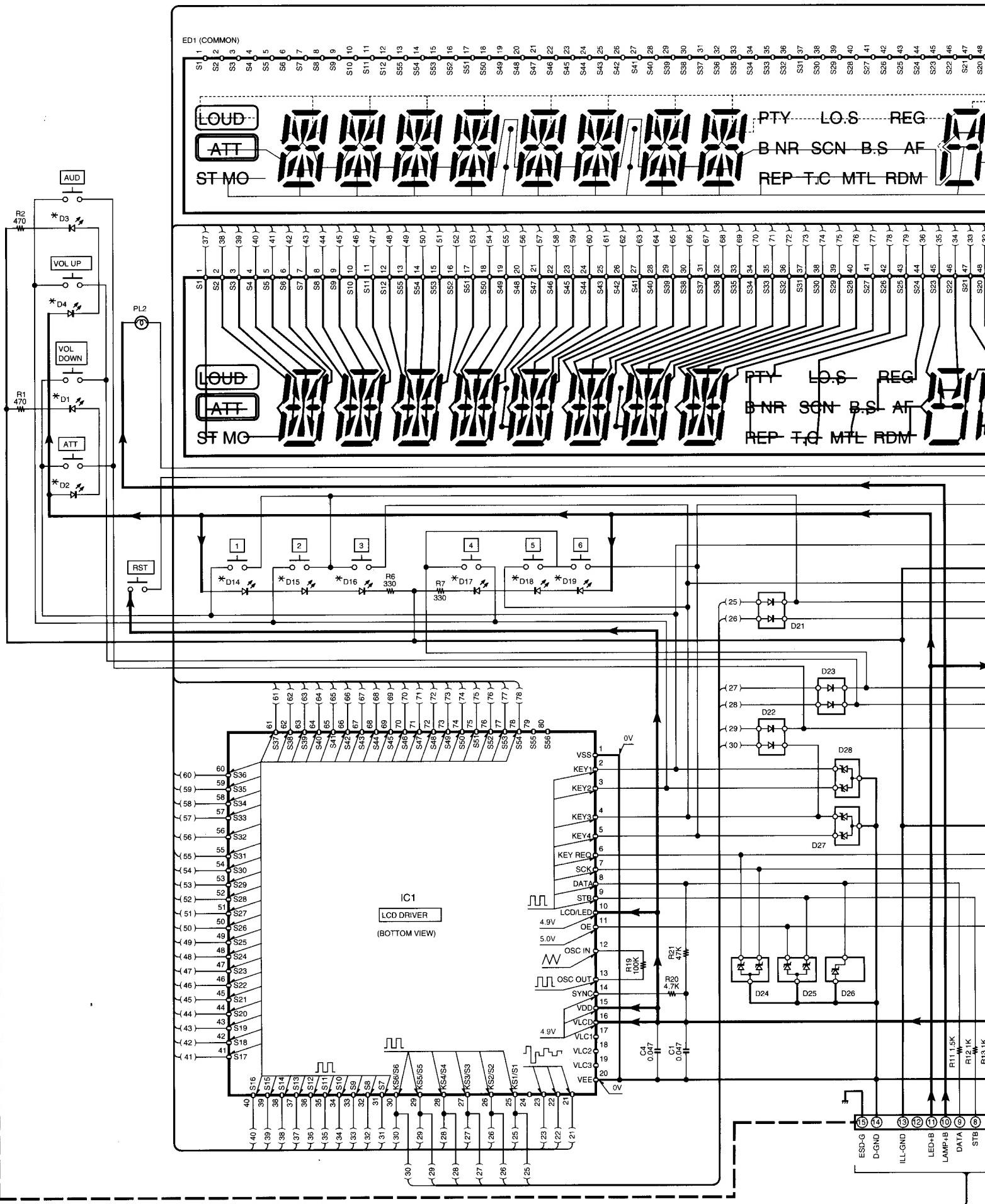
AB

AC

AD

AE

SWITCH UNIT (X13-8972-7x)



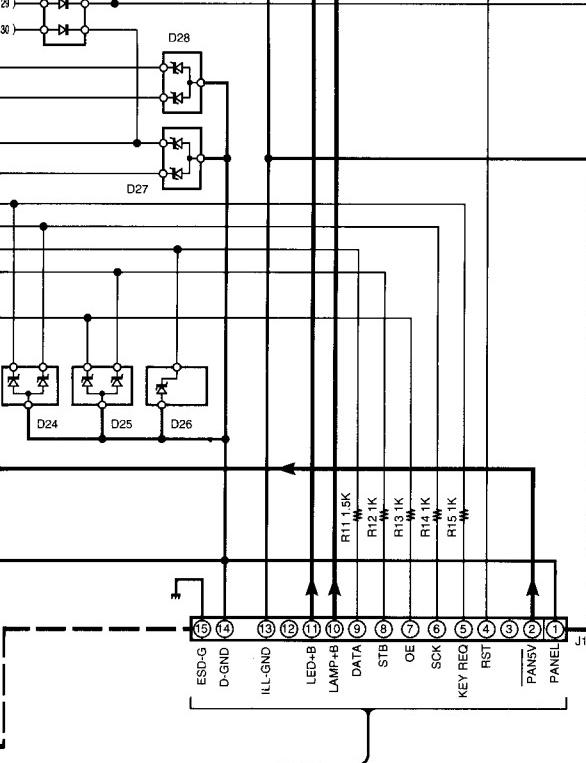
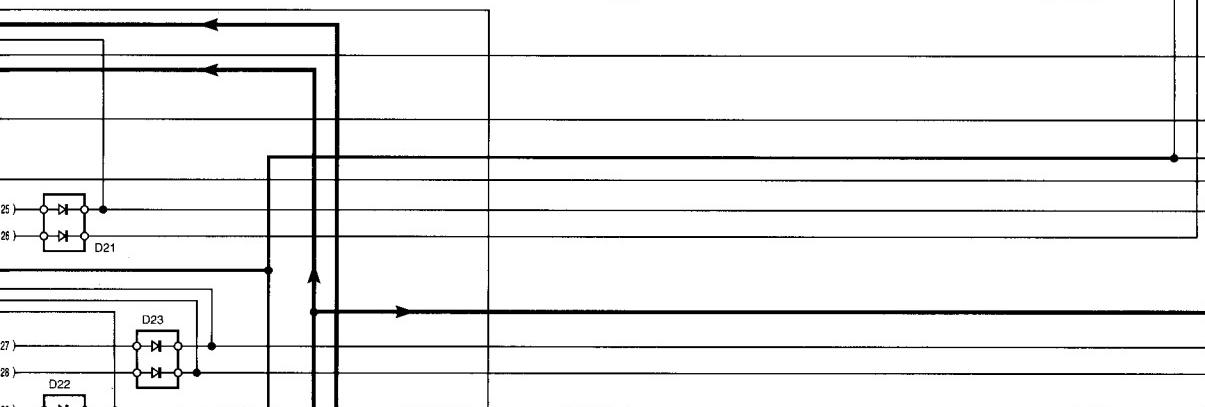
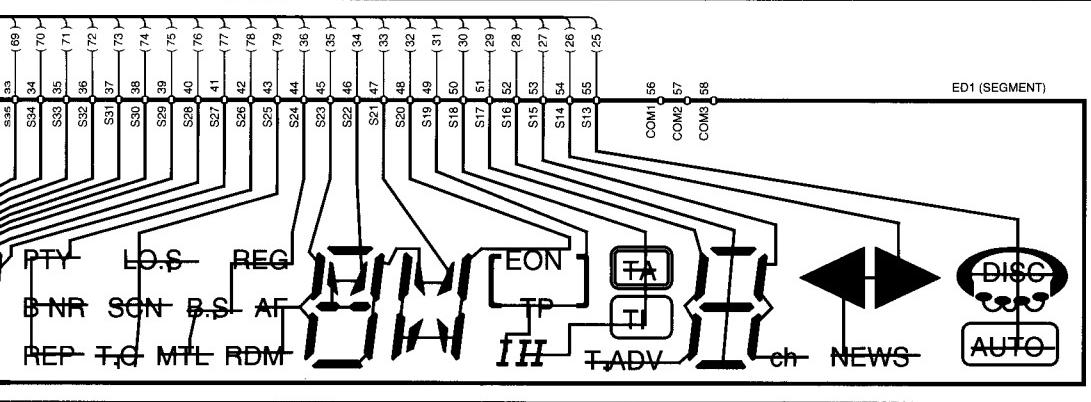
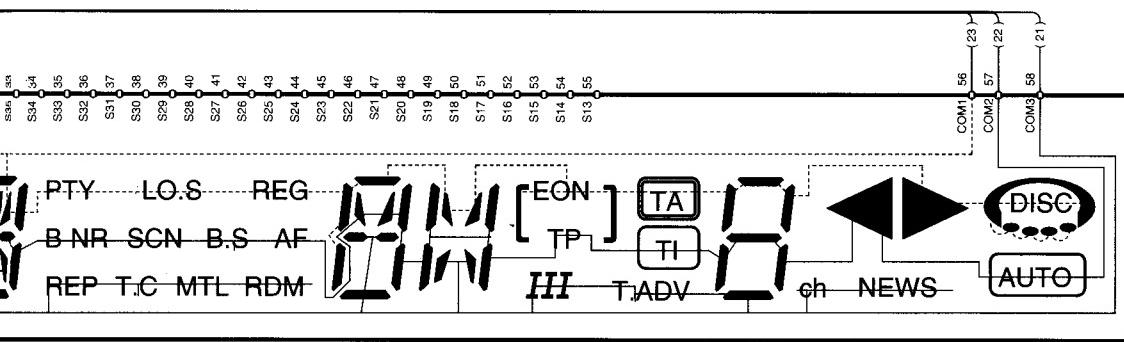
AE

AF

AG

AH

AI



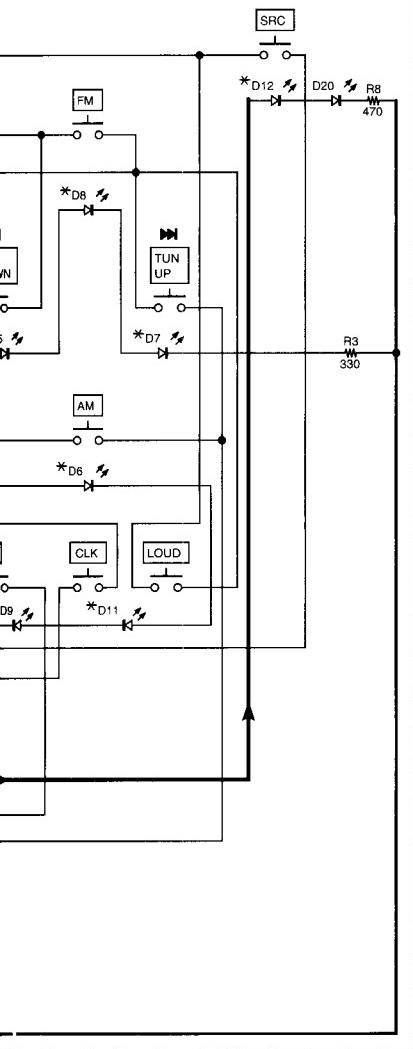
IC1 : UPD16431A
 D1-9,11,12,14-19 : *
 D20 : B30-1424-05
 D21-23 : DA227
 D24,25,27,28 : UZMA6.2F
 D26 : UZM6.2B(Y)

	Color	D1-9,11,12,14-19
KRC-10RA KRC-158RA KRC-30RA KRC-358RA	AMBER	B30-1371-05
KRC-10RG KRC-158RG KRC-30RG KRC-358RG	GREEN	B30-1395-05

KRC-10RA/G
 KRC-158RA/G
 KRC-30RA/G
 KRC-358RA/G

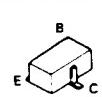
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit before the appliance is returned to the customer).

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded and in playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

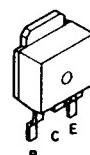


DTA124EK
DTC114TK
DTC114YK
DTC124EK
DTC143TK

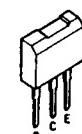
DTC144EK
2SC2412K



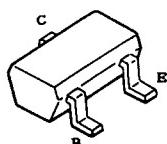
2SB1184



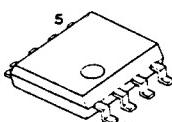
2SB1443



2SA1037K



NJM4565M-TE2



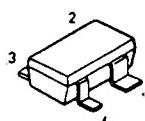
DA204K



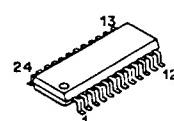
2SK536



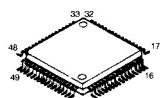
DA227



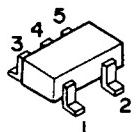
LC72146M



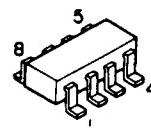
TDA7420



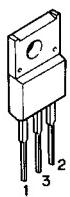
PST9137NR



TC4W66F



UPD16431A

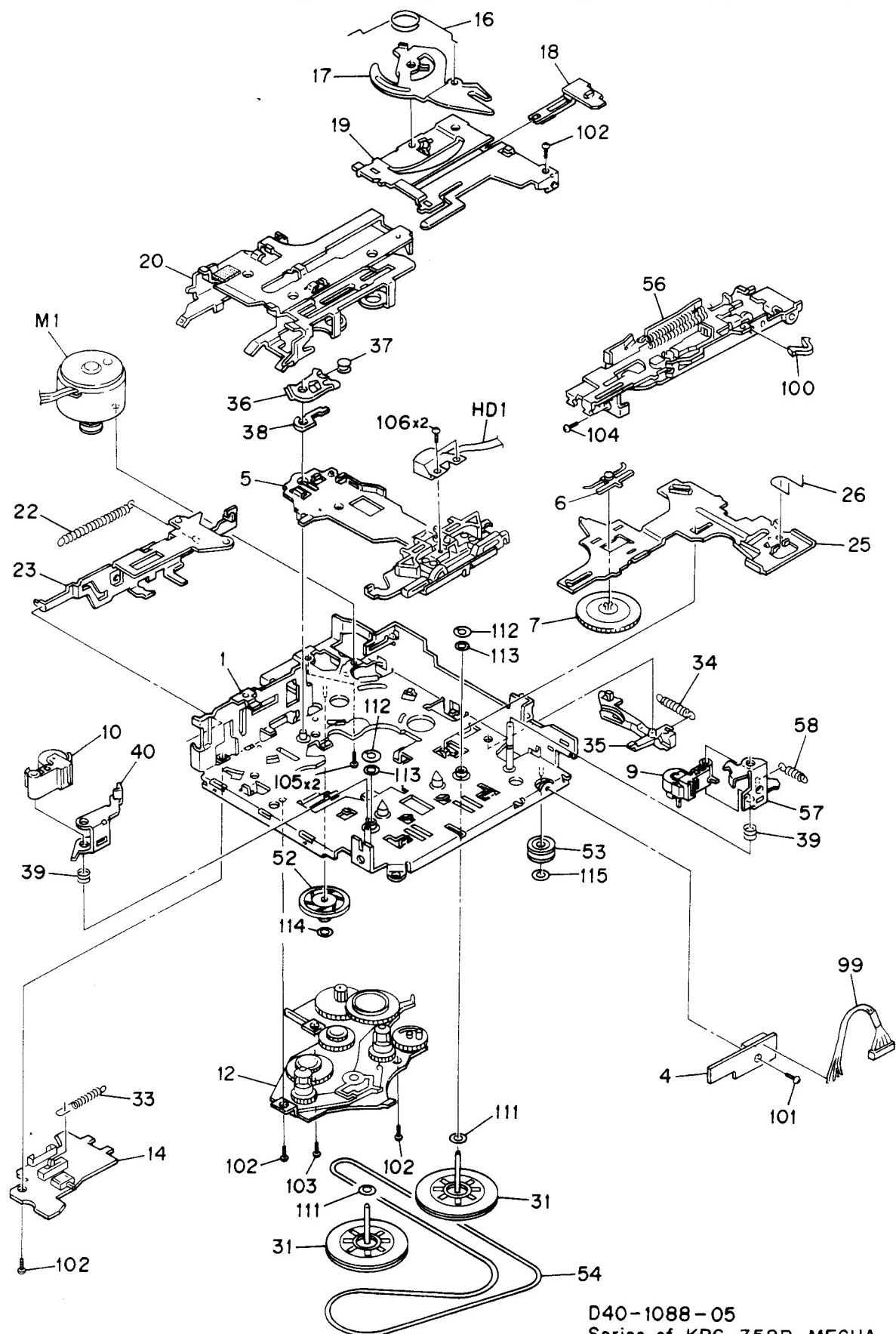


KRC-10R,158R,30R,358R

EXPLODED VIEW (MECHANISM)

A

B



D40-1088-05
Series of KRC-358R MECHA.

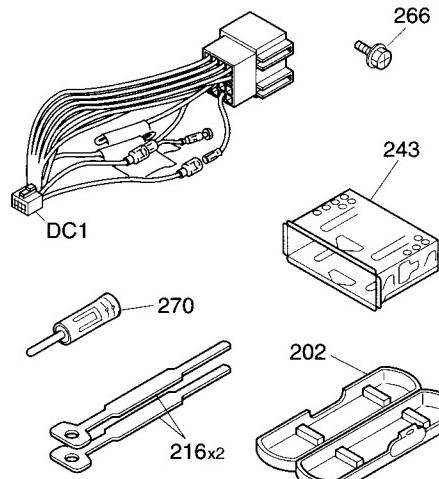
Parts with the exploded numbers larger than 700 are not supplied.

KRC-10R,158R,30R,358R

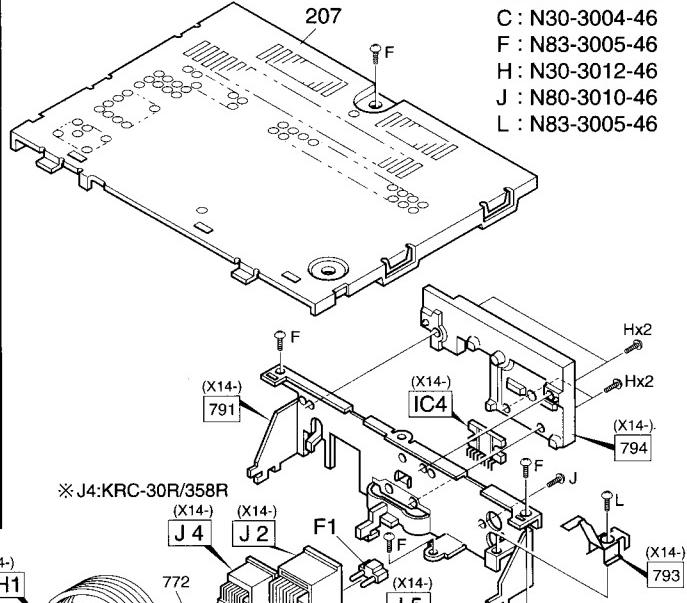
EXPLODED VIEW (UNIT)

C

D



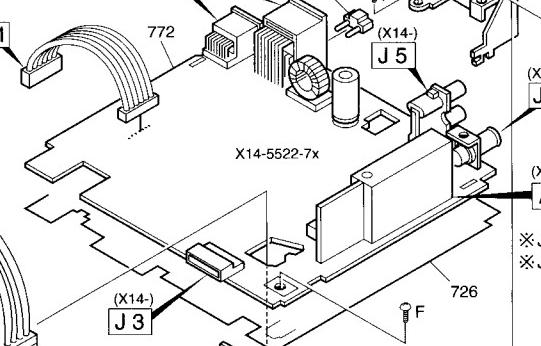
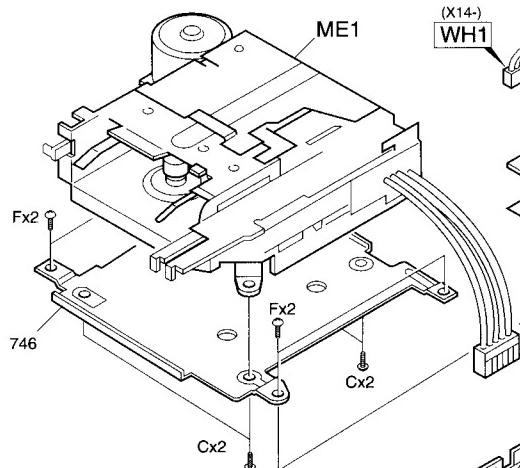
B : N30-2608-45
C : N30-3004-46
F : N83-3005-46
H : N30-3012-46
J : N80-3010-46
L : N83-3005-46



1

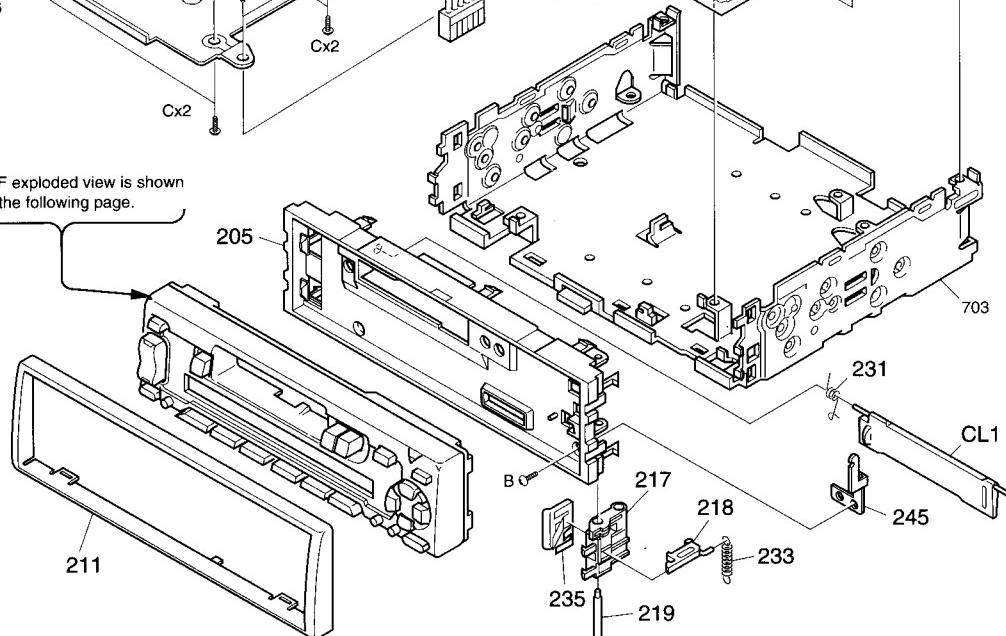
2

3



※ J4:KRC-30R/358R
※ J5:KRC-158R/358R
※ J :KRC-158R/358R

TDF exploded view is shown
on the following page.



KRC-10RA/G KRC-158RA/G
KRC-30RA/G KRC-358RA/G (1/2)

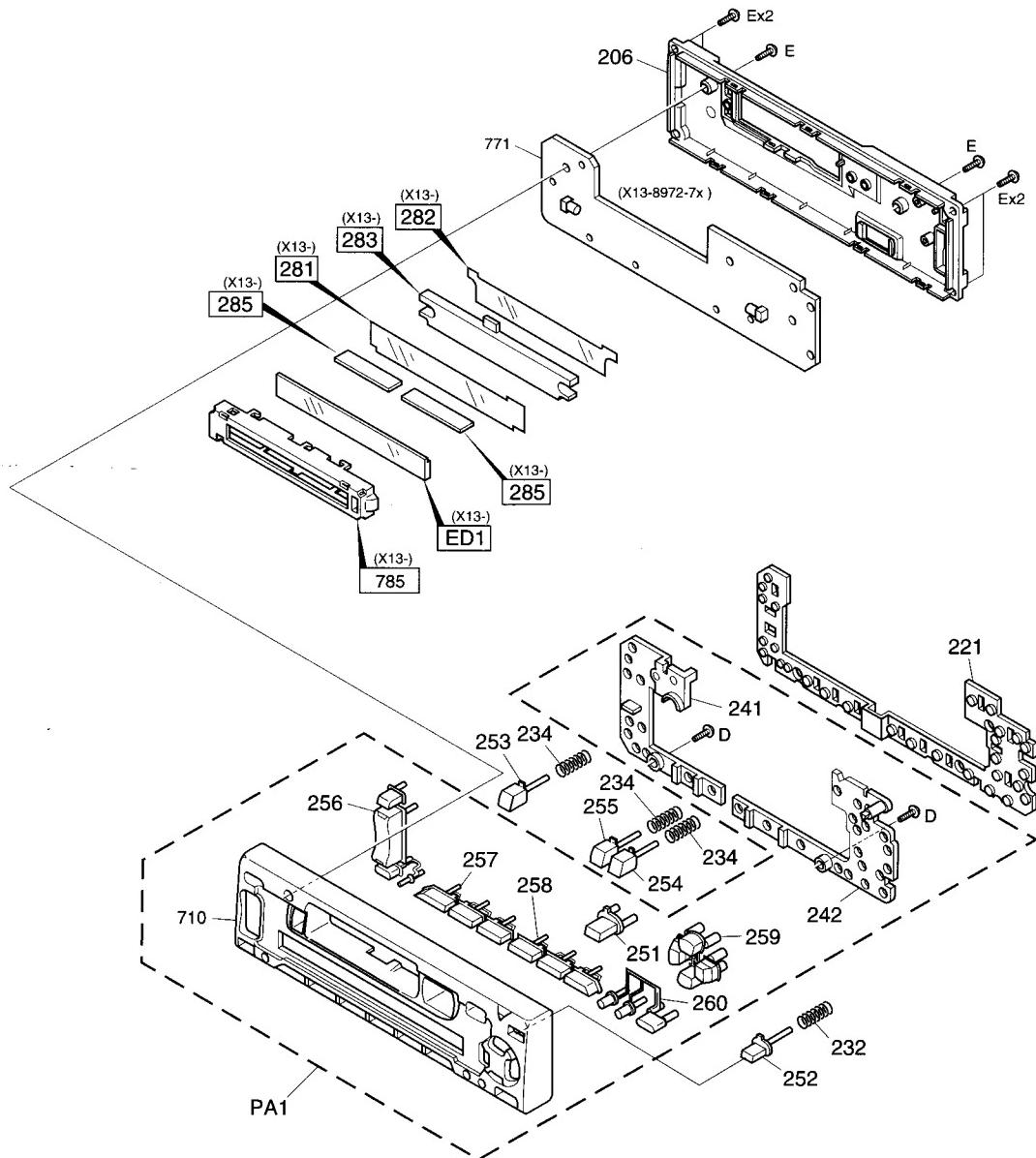
KRC-10R,158R,30R,358R

EXPLODED VIEW (TDF)

E

F

D : N80-2006-46
E : N80-2008-45



KRC-10RA/G KRC-158RA/G
KRC-30RA/G KRC-358RA/G (2/2)

Parts with the exploded numbers larger than 700 are not supplied.

KRC-10R,158R,30R,358R

PARTS LIST

*New Parts

Parts without **Part No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
KRC-10RA/G,158RA/G,30RA/G,358RA/G					
202	1C	*	A02-1444-03	PLASTIC CABINET ASSY	
205	3C	*	A22-1278-01	SUB PANEL	
206	1F	*	A46-1258-01	REAR COVER	
207	1D	*	A52-0707-02	TOP PLATE	
CL1	3D	*	A53-1638-03	CASSETTE LID	
PA1	3E	*	A64-0884-02	PANEL ASSY	358RA/G
PA1	3E	*	A64-0885-02	PANEL ASSY	158RA/G
PA1	3E	*	A64-0886-02	PANEL ASSY	30RA/G
PA1	3E	*	A64-0887-02	PANEL ASSY	10RA/G
211	3C	*	B07-2081-02	ESCUTCHEON	
		*	B46-0100-50	WARRANTY CARD	
			B46-0182-14	ID CARD	10RG
			B46-0182-14	ID CARD	158RG
			B46-0182-14	ID CARD	30RG
			B46-0182-14	ID CARD	358RG
			B46-0606-04	ID CARD	10RA
			B46-0606-04	ID CARD	158RA
			B46-0606-04	ID CARD	30RA
			B46-0606-04	ID CARD	358RA
			B58-1223-04	CAUTION CARD (CH,4-Langu.)	30RA/G
			B58-1223-04	CAUTION CARD (CH,4-Langu.)	358RA/G
			B58-1225-04	CAUTION CARD (CH,4-Langu.)	30RA/G
			B58-1225-04	CAUTION CARD (CH,4-Langu.)	358RA/G
		*	B64-0942-00	INST.MANUAL(FRA.GER.ITA.)	
		*	B64-0943-00	INST.MANUAL(EN.DUT.SPA.POR)	
216	1C	D10-3031-04	LEVER (REMOVAL TOOL) x2		
217	3D	D10-4051-03	LEVER (SUB PANEL) (SHAFT)		
218	3D	D10-4052-03	LEVER (SUB PANEL)		
219	3D	*	D21-2250-04	SHAFT	
ME1	2C	*	D40-1088-05	CASSETTE MECHANISM ASSY	
221	2F	*	E29-1515-02	CONDUCTIVE RUBBER	
△ DC1	1C	*	E30-4426-05	DC CORD ASSY (C.C.)	158RA/G
△ DC1	1C	*	E30-4426-05	DC CORD ASSY (C.C.)	358RA/G
△ DC1	1C	*	E30-4438-05	DC CORD ASSY (C.C.)	10RA/G
△ DC1	1C	*	E30-4438-05	DC CORD ASSY (C.C.)	30RA/G
△ F1	2D	F52-0006-05	MINI BLADE FUSE (10A) C.C.		
231	3D	G01-2525-04	TORSION COIL SPRING		
232	3F	G01-2738-04	COMPRESSION SPRING		
233	3D	*	G01-2792-04	EXTENSION SPRING	
234	3F	*	G01-2793-04	COMPRESSION SPRING	
235	3D	*	G02-1244-03	FLAT SPRING	
		*	H10-4555-02	POLYSTYRENE FOAMED FIXTURE	
		*	H25-0337-04	PROTECTION BAG (180X300)	
		*	H25-1111-04	PROTECTION BAG (280X450)	
		*	H54-0742-04	ITEM CARTON CASE	358RA
		*	H54-0744-04	ITEM CARTON CASE	358RG
		*	H54-0746-04	ITEM CARTON CASE	30RA
		*	H54-0748-04	ITEM CARTON CASE	30RG
		*	H54-0750-04	ITEM CARTON CASE	158RA
		*	H54-0752-04	ITEM CARTON CASE	158RG
		*	H54-0754-04	ITEM CARTON CASE	10RA

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
-		*	H54-0756-04	ITEM CARTON CASE	10RG
241	2F	J19-4698-02	HOLDER (Left)		
242	3F	J19-4700-02	HOLDER (Right)		
243	1C	J21-7630-13	MOUNTING HARDWARE ASSY		
245	3D	*	J21-7726-04	MOUNTING HARDWARE	
251	3F	*	K24-1762-04	KNOB (SRC)	
252	3F	*	K24-1763-04	KNOB (RELEASE)	
253	2E	*	K24-1764-04	KNOB (EJECT)	
254	3F	*	K24-1765-04	KNOB (FF)	
255	3F	*	K24-1766-04	KNOB (REW)	
256	2E	*	K25-0786-03	KNOB (AUD/VOL/ATT/RESET)	
257	3E	*	K25-0788-03	KNOB (1/2/3)	
258	3E	*	K25-0789-03	KNOB (4/5/6)	
259	3F	*	K25-0790-03	KNOB (FM/AM/UP/DOWN)	
260	3F	*	K25-0791-03	KNOB (TI/CLK/LOUD)	
266	1C	N09-1885-05	SEMS (MACHINE SCREW)		
B	3C	N30-2608-45	PAN HEAD MACHINE SCREW		
C	2C	N30-3004-46	PAN HEAD MACHINE SCREW		
D	2F	N80-2006-46	PAN HEAD TAPPIE SCREW		
E	1F	N80-2008-45	PAN HEAD TAPPIE SCREW		
F	2C	N83-3005-46	PAN HEAD TAPPIE SCREW		
270	1C	*	T90-0512-05	ANTENNA ADAPTOR	
SWITCH UNIT (X13-8972-7x)					
281	1E	*	B11-0929-04	OPTICAL DIFFUSER	
282	1E	*	B11-0934-04	REFLECTION SHEET	
283	1E	*	B19-1089-03	LIGHTING BOARD	
D1 - 9			B30-1371-05	LED (AMBER)	10RA
D1 - 9			B30-1371-05	LED (AMBER)	158RA
D1 - 9			B30-1371-05	LED (AMBER)	30RA
D1 - 9			B30-1371-05	LED (AMBER)	358RA
D1 - 9			B30-1395-05	LED (GREEN)	10RG
D1 - 9			B30-1395-05	LED (GREEN)	158RG
D1 - 9			B30-1395-05	LED (GREEN)	30RG
D1 - 9			B30-1395-05	LED (GREEN)	358RG
D11 ,12			B30-1371-05	LED (AMBER)	10RA
D11 ,12			B30-1371-05	LED (AMBER)	158RA
D11 ,12			B30-1371-05	LED (AMBER)	30RA
D11 ,12			B30-1371-05	LED (AMBER)	358RA
D14 - 19			B30-1395-05	LED (GREEN)	10RG
D14 - 19			B30-1395-05	LED (GREEN)	158RG
D14 - 19			B30-1395-05	LED (GREEN)	30RG
D14 - 19			B30-1395-05	LED (GREEN)	358RG
D14 - 19			B30-1371-05	LED (AMBER)	158RA
D14 - 19			B30-1371-05	LED (AMBER)	30RA
D14 - 19			B30-1371-05	LED (AMBER)	358RA
D14 - 19			B30-1395-05	LED (GREEN)	10RG
D14 - 19			B30-1395-05	LED (GREEN)	158RG
D14 - 19			B30-1395-05	LED (GREEN)	30RG
D14 - 19			B30-1395-05	LED (GREEN)	358RG
D20			B30-1424-05	LED	
ED1	2E	*	B38-0669-05	LIQUID CRYSTAL	
PL1 ,2		*	B30-1483-05	LAMP	

E: Europe K: North America M: Other Areas

W: Without Europe

 indicates safety critical components.

KRC-10R,158R,30R,358R

PARTS LIST

*New Parts

Parts without **Part No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

(X14-5522-7x)

Refer. No.	A d d	N e w	Parts No.	Description			Model Name KRC-
C1			CK73FB1E473KTA	CHIP C	0.047UF	K	
C4			CK73FB1E473KTA	CHIP C	0.047UF	K	
285	2E	*	E29-1516-04	CONDUCTIVE RUBBER			
J1		*	E59-0824-05	RECTANGULAR PLUG			
R1 ,2			RK73EB2B471J	CHIP R	470	J	1/8W
R3			RK73EB2B331J	CHIP R	330	J	1/8W
R5 -7			RK73EB2B331J	CHIP R	330	J	1/8W
R8			RK73EB2B471J	CHIP R	470	J	1/8W
R11			RK73FB2A152J	CHIP R	1.5K	J	1/10W
R12 -15			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R19			RK73FB2A104J	CHIP R	100K	J	1/10W
R20			RK73FB2A472J	CHIP R	4.7K	J	1/10W
R21			RK73FB2A473J	CHIP R	47K	J	1/10W
R22,23			RK73EB2B130J	CHIP R	13	J	1/8W
D21 -23			DA227	DIODE			
D24,25			UZMA6.2F	ZENER DIODE			
D26		*	UZM6.2B(Y)	ZENER DIODE			
D27,28			UZMA6.2F	ZENER DIODE			
IC1			UPD16431A	MOS-IC			

SYNTHESIZER UNIT (X14-5522-7x)

D13			B30-1424-05	LED			
C1 ,2			CK73FB1H821K	CHIP C	820PF	K	
C3 ,4			C90-2595-05	ELECTRO	4.7UF	16WV	
C5 ,6			CK73FB1H153KTA	CHIP C	0.015UF	K	
C9 ,10			C90-2608-05	ELECTRO	1.0UF	50WV	
C21,22			C90-2595-05	ELECTRO	4.7UF	16WV	30RA/G
C21,22			C90-2595-05	ELECTRO	4.7UF	16WV	358RA/G
C23,24			CE04CW0J470M	ELECTRO	47UF	6.3WV	30RA/G
C23,24			CE04CW0J470M	ELECTRO	47UF	6.3WV	358RA/G
C31,32			C90-2608-05	ELECTRO	1.0UF	50WV	
C33,34			CK73FB1H122K	CHIP C	1200PF	K	
C35,36			CK73FB1H152K	CHIP C	1500PF	K	
C37-40			CK73FB1C104K	CHIP C	0.10UF	K	
C41,42			C90-2610-05	ELECTRO	2.2UF	50WV	
C43-46			C90-2597-05	ELECTRO	10UF	16WV	
C51-54			CK73FB1H821K	CHIP C	820PF	K	
C55,56			CK73FB1H562K	CHIP C	5600PF	K	158RA/G
C55,56			CK73FB1H562K	CHIP C	5600PF	K	358RA/G
C57			CK73FB1H103K	CHIP C	0.010UF	K	158RA/G
C57			CK73FB1H103K	CHIP C	0.010UF	K	358RA/G
C59			CK73EB1E274K	CHIP C	0.27UF	K	
C60			CK73FB1H153KTA	CHIP C	0.015UF	K	
C61			C90-2854-05	ELECTRO	10UF	10WV	
C62			CK73FB1H103K	CHIP C	0.010UF	K	
C63			CK73FB1C823K	CHIP C	0.082UF	K	
C64			C90-2608-05	ELECTRO	1.0UF	50WV	
C65			C90-2525-05	NP-ELECT	2.2UF	35WV	
C66			C90-2608-05	ELECTRO	1.0UF	50WV	
C67			CE04CW1A470M	ELECTRO	47UF	10WV	
C69			CK73FB1H103K	CHIP C	0.010UF	K	
C70,71			CK73FB1H102K	CHIP C	1000PF	K	
C72			CK73FB1C154K	CHIP C	0.15UF	K	
C73			CK73FB1H223KTA	CHIP C	0.022UF	K	

E: Europe K: North America M: Other Areas

W: Without Europe

Refer. No.	A d d	N e w	Parts No.	Description			Model Name KRC-
C74			CK73FB1H271K	CHIP C	270PF	K	
C75			CK73FB1E473KTA	CHIP C	0.047UF	K	
C80			CK73FB1H102K	CHIP C	1000PF	K	
C82			CK73FB1H103K	CHIP C	0.010UF	K	
C83,84			CC73FCH1H470J	CHIP C	47PF	J	
C86			CE04CW0J331M	ELECTRO	330UF	6.3WV	
C87			CK73FB1H103K	CHIP C	0.010UF	K	
C88,89			CC73FCH1H220J	CHIP C	22PF	J	
C90			C90-2592-05	ELECTRO	10UF	6.3WV	
C91			CK73FB1H271K	CHIP C	270PF	K	
C92			CK73FB1H103K	CHIP C	0.010UF	K	
C93			CE04CW0J101M	ELECTRO	100UF	6.3WV	
C94			CK73FB1H102K	CHIP C	1000PF	K	
C95			CK73FB1H223KTA	CHIP C	0.022UF	K	
C96,97			CK73FB1H103K	CHIP C	0.010UF	K	
C100			C90-2597-05	ELECTRO	10UF	16WV	
C102			C90-2608-05	ELECTRO	1.0UF	50WV	
C111			CE04DW1A470M	ELECTRO	47UF	10WV	
C112,113			CK73FB1H103K	CHIP C	0.010UF	K	
C114			CK73FB1C823K	CHIP C	0.082UF	K	
C115			CK73FB1H103K	CHIP C	0.010UF	K	
C116			CE04DW1A470M	ELECTRO	47UF	10WV	
C117			CK73FB1H103K	CHIP C	0.010UF	K	
C118			CE04DW1A470M	ELECTRO	47UF	10WV	
C119			CC73FCH1H470J	CHIP C	47PF	J	
C120			CE04CW1A470M	ELECTRO	47UF	10WV	
C121			CK73FB1H103K	CHIP C	0.010UF	K	
C122			CF92FV1H682J	MF-C	6800PF	J	
C123			CF92FV1H393J	MF-C	0.039UF	J	
C124			CK73FB1H103K	CHIP C	0.010UF	K	
C125			CE04CW1A101M	ELECTRO	100UF	10WV	
C126			CK73FB1H103K	CHIP C	0.010UF	K	
C127			C90-2807-05	NP-ELEC	0.47UF	50WV	
C128			CK73FB1E683KTA	CHIP C	0.068UF	K	
C130			C90-2597-05	ELECTRO	10UF	16WV	
C131			CK73FB1H103K	CHIP C	0.010UF	K	
C132,133			CC73FCH1H270J	CHIP C	27PF	J	
C134			CK73FB1H331K	CHIP C	330PF	K	
C151			CK73FB1H223KTA	CHIP C	0.022UF	K	
C152			CC73FCH1H060D	CHIP C	6.0PF	D	
C153			CK73FB1H822K	CHIP C	8200PF	K	
C154			CK73FB1H222K	CHIP C	2200PF	K	
C155			CC73FCH1H820J	CHIP C	82PF	J	
C156			CK73FB1H102K	CHIP C	1000PF	K	
C157			CK73FB1H471K	CHIP C	470PF	K	
C158			CC73FCH1H121J	CHIP C	120PF	J	
C159			CC73FCH1H120J	CHIP C	12PF	J	
C160			C90-2597-05	ELECTRO	10UF	16WV	
C161			CK73FB1H103K	CHIP C	0.010UF	K	
C162,163			CK73FB1H122K	CHIP C	1200PF	K	
C164			CK73FB1H471K	CHIP C	470PF	K	
C170			C90-2856-05	ELECTRO	3900UF	16WV	
C171-173			CK73FB1H103K	CHIP C	0.010UF	K	
C174,175			C90-2595-05	ELECTRO	4.7UF	16WV	
C176			C90-2597-05	ELECTRO	10UF	16WV	

△ indicates safety critical components.

KRC-10R,158R,30R,358R

PARTS LIST

*New Parts

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Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

(X14-5522-7x)

Refer. No.	A d d	N e w	Parts No.	Description			Model Name KRC-
C177,178			C92-0009-05	CHIP-TAN	4.7UF	10WV	
C179			C90-2595-05	ELECTRO	4.7UF	16WV	
C181			C90-2608-05	ELECTRO	1.0UF	50WV	
C190			CE04CW1A101M	ELECTRO	100UF	10WV	
C194			C90-2608-05	ELECTRO	1.0UF	50WV	
C201,202			CK73FB1H103K	CHIP C	0.010UF	K	
C205			CK73FB1H223KTA	CHIP C	0.022UF	K	
C207-214			CK73FB1C104K	CHIP C	0.10UF	K	
C349			CK73FB1C104K	CHIP C	0.10UF	K	
C350			CK73FB1H103K	CHIP C	0.010UF	K	
C351,352			CK73FB1H223KTA	CHIP C	0.022UF	K	30RA/G
C351,352			CK73FB1H223KTA	CHIP C	0.022UF	K	358RA/G
CN1			E40-3240-05	PIN ASSY			
J1	2D		E04-0306-05	COAXIAL CABLE RECEPTACLE			
J2	2D		E58-0836-05	RECTANGULAR RECEPTACLE(CC)			
J3	2D		E58-0854-05	RECTANGULAR RECEPTACLE			
J4	2D		E56-0809-05	CYLINDRICAL RECEPTACLE			
J4	2D		E56-0809-05	CYLINDRICAL RECEPTACLE	358RA/G		
J5	2D		E13-0235-05	PHONO JACK	158RA/G		
J5	2D		E13-0235-05	PHONO JACK	358RA/G		
WH1	2C		E39-0091-15	WIRING HARNESS			
L1 ,2			L40-4791-17	FIXED INDUCTOR (4.7UH)			
L3			L33-1039-05	LINE FILTER COIL			
L4			L40-1001-17	FIXED INDUCTOR (10UH)			
L5 -7			L40-4791-17	FIXED INDUCTOR (4.7UH)			
L8			L40-1011-17	FIXED INDUCTOR (100UH)			
L9	*		L33-1063-05	CHOKE COIL (C.C.)			
L10			L40-4791-17	FIXED INDUCTOR (4.7UH)			
L12			L92-0308-05	FERRITE CORE			
X1			L77-2051-05	RESONATOR (8.664MHZ)			
X2			L78-0545-05	RESONATOR (456KHZ)			
X3			L77-1166-05	RESONATOR (7.2MHZ)			
H	1D		N30-3012-46	PAN HEAD MACHINE SCREW			
J	1D		N80-3010-46	PAN HEAD TAPTRITE SCREW	158RA/G		
J	1D		N80-3010-46	PAN HEAD TAPTRITE SCREW	358RA/G		
L	1D		N83-3005-46	PAN HEAD TAPTRITE SCREW			
R1 ,2			RK73FB2A513J	CHIP R	51K	J 1/10W	
R3 ,4			RK73FB2A751J	CHIP R	750	J 1/10W	
R5 ,6			RK73FB2A682J	CHIP R	6.8K	J 1/10W	
R7 ,8			RK73FB2A304J	CHIP R	300K	J 1/10W	
R21 ,22			RK73EB2B100J	CHIP R	10	J 1/8W	30RA/G
R21 ,22			RK73EB2B100J	CHIP R	10	J 1/8W	358RA/G
R23			RK73EB2B4R7J	CHIP R	4.7	J 1/8W	30RA/G
R23			RK73EB2B4R7J	CHIP R	4.7	J 1/8W	358RA/G
R31 ,32			RK73FB2A102J	CHIP R	1.0K	J 1/10W	
R33 ,34			RK73FB2A622J	CHIP R	6.2K	J 1/10W	
R35 -38			RK73FB2A472J	CHIP R	4.7K	J 1/10W	
R39 -42			RK73FB2A272J	CHIP R	2.7K	J 1/10W	158RA/G
R43 ,44			RK73FB2A271J	CHIP R	270	J 1/10W	358RA/G
R43 ,44			RK73FB2A271J	CHIP R	270	J 1/10W	358RA/G
R45 ,46			RK73FB2A101J	CHIP R	100	J 1/10W	158RA/G
R45 ,46			RK73FB2A101J	CHIP R	100	J 1/10W	358RA/G
R47 -50			RK73FB2A101J	CHIP R	100	J 1/10W	

Refer. No.	A d d	N e w	Parts No.	Description			Model Name KRC-
R61			RK73FB2A100J	CHIP R	10	J 1/10W	
R62			RK73FB2A332J	CHIP R	3.3K	J 1/10W	
R63			RK73FB2A184J	CHIP R	180K	J 1/10W	
R64 ,65			RK73FB2A104J	CHIP R	100K	J 1/10W	
R67			RK73FB2A271J	CHIP R	270	J 1/10W	
R68			RK73FB2A302J	CHIP R	3.0K	J 1/10W	
R69			RK73FB2A683J	CHIP R	68K	J 1/10W	
R70			RK73FB2A183J	CHIP R	18K	J 1/10W	
R73			RK73FB2A222J	CHIP R	2.2K	J 1/10W	
R85			RK73FB2A105J	CHIP R	1.0M	J 1/10W	
R92			RK73FB2A473J	CHIP R	47K	J 1/10W	
R94			RK73FB2A473J	CHIP R	47K	J 1/10W	
R99			RK73FB2A102J	CHIP R	1.0K	J 1/10W	
R100			RK73FB2A223J	CHIP R	22K	J 1/10W	
R101			RK73FB2A102J	CHIP R	1.0K	J 1/10W	
R102			RK73FB2A223J	CHIP R	22K	J 1/10W	
R111			RK73FB2A472J	CHIP R	4.7K	J 1/10W	
R112			RK73FB2A222J	CHIP R	2.2K	J 1/10W	
R113			RK73FB2A103J	CHIP R	10K	J 1/10W	
R114-116			RK73FB2A222J	CHIP R	2.2K	J 1/10W	
R117			RK73FB2A473J	CHIP R	47K	J 1/10W	10RA/G
R117			RK73FB2A473J	CHIP R	47K	J 1/10W	158RA/G
R118			RK73FB2A473J	CHIP R	47K	J 1/10W	30RA/G
R119			RK73FB2A473J	CHIP R	47K	J 1/10W	158RA/G
R119			RK73FB2A473J	CHIP R	47K	J 1/10W	358RA/G
R120			RK73FB2A473J	CHIP R	47K	J 1/10W	10RA/G
R120			RK73FB2A473J	CHIP R	47K	J 1/10W	30RA/G
R121			RK73FB2A332J	CHIP R	3.3K	J 1/10W	
R122,123			RK73FB2A472J	CHIP R	4.7K	J 1/10W	
R125			RK73FB2A104J	CHIP R	100K	J 1/10W	
R129			RK73FB2A101J	CHIP R	100	J 1/10W	
R132			RK73FB2A104J	CHIP R	100K	J 1/10W	
R133			RK73FB2A333J	CHIP R	33K	J 1/10W	
R134			RK73FB2A153J	CHIP R	15K	J 1/10W	
R135			RK73FB2A103J	CHIP R	10K	J 1/10W	
R136			RD14BB2C4R7J	RD	4.7	J 1/6W	
R138			RK73FB2A222J	CHIP R	2.2K	J 1/10W	
R139			RK73FB2A472J	CHIP R	4.7K	J 1/10W	
R140			RK73EB2B222J	CHIP R	2.2K	J 1/8W	
R141			RK73FB2A104J	CHIP R	100K	J 1/10W	
R142,143			RK73EB2B102J	CHIP R	1.0K	J 1/8W	
R144			RK73EB2B101J	CHIP R	100	J 1/8W	
R145,146			RK73EB2B102J	CHIP R	1.0K	J 1/8W	
R147			RK73EB2B101J	CHIP R	100	J 1/8W	
R148			RK73FB2A472J	CHIP R	4.7K	J 1/10W	
R150			RK73FB2A273J	CHIP R	27K	J 1/10W	
R151			RK73FB2A473J	CHIP R	47K	J 1/10W	
R160			RK73EB2B331J	CHIP R	330	J 1/8W	
R161			RK73FB2A473J	CHIP R	47K	J 1/10W	
R162			RK73FB2A103J	CHIP R	10K	J 1/10W	
R163			RK73FB2A102J	CHIP R	1.0K	J 1/10W	
R164			RK73FB2A562J	CHIP R	5.6K	J 1/10W	
R165			RK73FB2A103J	CHIP R	10K	J 1/10W	
R166			RK73FB2A223J	CHIP R	22K	J 1/10W	

E: Europe K: North America M: Other Areas

W: Without Europe

 indicates safety critical components.

KRC-10R,158R,30R,358R

PARTS LIST

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(X14-5522-7x)

Refer. No.	A d d	N e w	Parts No.	Description			Model Name KRC-
R168			RK73FB2A223J	CHIP R	22K	J	1/10W
R169			RK73FB2A822J	CHIP R	8.2K	J	1/10W
R170			RK73FB2A113J	CHIP R	11K	J	1/10W
R171			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R172			RK73FB2A472J	CHIP R	4.7K	J	1/10W
R173			RK73FB2A332J	CHIP R	3.3K	J	1/10W
R174			RK73FB2A182J	CHIP R	1.8K	J	1/10W
R175			RK73FB2A472J	CHIP R	4.7K	J	1/10W
R176			RK73FB2A561J	CHIP R	560	J	1/10W
R177			RK73FB2A682J	CHIP R	6.8K	J	1/10W
R178			RK73FB2A473J	CHIP R	47K	J	1/10W
R179			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R180			RK73FB2A472J	CHIP R	4.7K	J	1/10W
R181			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R183			RK73FB2A222J	CHIP R	2.2K	J	1/10W
R184			RK73FB2A470J	CHIP R	47	J	1/10W
R185			RK73FB2A473J	CHIP R	47K	J	1/10W
R186			RK73FB2A103J	CHIP R	10K	J	1/10W
R190			RK73FB2A103J	CHIP R	10K	J	1/10W
R191			RK73FB2A823J	CHIP R	82K	J	1/10W
R192			RK73FB2A103J	CHIP R	10K	J	1/10W
R193			RK73FB2A104J	CHIP R	100K	J	1/10W
R194			RK73FB2A153J	CHIP R	15K	J	1/10W
R195			RK73FB2A562J	CHIP R	5.6K	J	1/10W
R196			RK73FB2A222J	CHIP R	2.2K	J	1/10W
R197			RK73FB2A562J	CHIP R	5.6K	J	1/10W
R198			RK73FB2A103J	CHIP R	10K	J	1/10W
R199			RK73FB2A272J	CHIP R	2.7K	J	1/10W
R200			RK73FB2A563J	CHIP R	56K	J	1/10W
R201-204			RK73FB2A103J	CHIP R	10K	J	1/10W
R205			RK73FB2A220J	CHIP R	22	J	1/10W
R210			RK73FB2A220J	CHIP R	22	J	1/10W
R211			RK73FB2A332J	CHIP R	3.3K	J	1/10W
R212			RK73FB2A750J	CHIP R	75	J	1/10W
R213			RK73FB2A223J	CHIP R	22K	J	1/10W
R214			RK73FB2A222J	CHIP R	2.2K	J	1/10W
R215			RK73EB2B470J	CHIP R	47	J	1/8W
R216			RK73FB2A101J	CHIP R	100	J	1/10W
R217			RK73FB2A562J	CHIP R	5.6K	J	1/10W
R218			RK73FB2A332J	CHIP R	3.3K	J	1/10W
R219			RK73FB2A752J	CHIP R	7.5K	J	1/10W
R220			RK73FB2A101J	CHIP R	100	J	1/10W
R221			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R222			RK73FB2A472J	CHIP R	4.7K	J	1/10W
R225			RK73FB2A222J	CHIP R	2.2K	J	1/10W
R226			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R230			RD14DB2H332J	SMALL-RD	3.3K	J	1/2W
R231			RD14BB2C123J	RD	12K	J	1/6W
R232,233			RD14BB2C103J	RD	10K	J	1/6W
R234			RD14BB2C433J	RD	43K	J	1/6W
R235			RD14BB2C752J	RD	7.5K	J	1/6W
R236			RK73EB2B472J	CHIP R	4.7K	J	1/8W
R237			RK73EB2B331J	CHIP R	330	J	1/8W
R238			RK73FB2A103J	CHIP R	10K	J	1/10W
R239			RK73FB2A222J	CHIP R	2.2K	J	1/10W

Refer. No.	A d d	N e w	Parts No.	Description			Model Name KRC-
R240			RK73FB2A472J	CHIP R	4.7K	J	1/10W
R241			RK73FB2A332J	CHIP R	3.3K	J	1/10W
R242			RK73FB2A472J	CHIP R	4.7K	J	1/10W
R249			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R253			RK73FB2A153J	CHIP R	15K	J	1/10W
R253			RK73FB2A153J	CHIP R	15K	J	1/10W
R254,255			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R254,255			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R256			RK73FB2A103J	CHIP R	10K	J	1/10W
R257			RK73FB2A392J	CHIP R	3.9K	J	1/10W
R257			RK73FB2A392J	CHIP R	3.9K	J	1/10W
R257			RK73FB2A432J	CHIP R	4.3K	J	1/10W
R257			RK73FB2A432J	CHIP R	4.3K	J	1/10W
R261,262			RK73FB2A223J	CHIP R	22K	J	1/10W
R263			RK73FB2A222J	CHIP R	2.2K	J	1/10W
R264			RK73FB2A562J	CHIP R	5.6K	J	1/10W
R270-277			RK73EB2B2R2J	CHIP R	2.2	J	1/8W
R300			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R303			RD14DB2H102J	SMALL-RD	1.0K	J	1/2W
R304			RK73FB2A103J	CHIP R	10K	J	1/10W
R307			RK73FB2A123J	CHIP R	12K	J	1/10W
R312			RK73FB2A472J	CHIP R	4.7K	J	1/10W
R313			RK73FB2A241J	CHIP R	240	J	1/10W
R351			RD14BB2C470J	RD	47	J	1/6W
R351			RD14BB2C470J	RD	47	J	1/6W
R352,353			RK73FB2A104J	CHIP R	100K	J	1/10W
R352,353			RK73FB2A104J	CHIP R	100K	J	1/10W
R354			RD14BB2C472J	RD	4.7K	J	1/6W
R354			RD14BB2C472J	RD	4.7K	J	1/6W
R355-358			RD14BB2C102J	RD	1.0K	J	1/6W
R359			RD14BB2C470J	RD	47	J	1/6W
R359			RD14BB2C470J	RD	47	J	1/6W
R360			RD14BB2C102J	RD	1.0K	J	1/6W
R360			RD14BB2C102J	RD	1.0K	J	1/6W
R361			RK73FB2A104J	CHIP R	100K	J	1/10W
R361			RK73FB2A104J	CHIP R	100K	J	1/10W
VR1			R12-0679-05	TRIMMING POT. (22K)			
D2			DA204K	DIODE			
D3 - 5			1SS133	DIODE			
D15			AM01Z	DIODE			
D15			ERA15-01	DIODE			
D16			UZ-12BS(B)	ZENER DIODE			
D17 - 24			UZ-6.2BS(B)	ZENER DIODE			30RA/G
D17 - 24			UZ-6.2BS(B)	ZENER DIODE			358RA/G
D25 - 28			DA204K	DIODE			30RA/G
D25 - 28			DA204K	DIODE			358RA/G
D29			RM10ZLF	DIODE			
D30			UZL-7(L3)	ZENER DIODE			
D31			AM01Z	DIODE			
D31			ERA15-01	DIODE			
D32			1SS133	DIODE			
D34			DAP202K	DIODE			

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KRC-10R,158R,30R,358R

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(X14-5522-7x)

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
D34			MA152WA	DIODE	
D36			1SS133	DIODE	
D38			1SS133	DIODE	
D40,41			1SS133	DIODE	
D42			UZ-5.1BS(B)	ZENER DIODE	
D44			AM01Z	DIODE	
D44			ERA15-01	DIODE	
D45			1SS133	DIODE	
D47,48			1SS133	DIODE	
D50			1SS133	DIODE	
IC1			ST7285A5Q6ACLM	MI-COM IC	
IC2			TD47420	ANALOGUE IC	
IC3			BA3917-V4	ANALOGUE IC	
IC4	1D	*	TA8251AH	ANALOGUE IC	30RA/G
IC4	1D	*	TA8251AH	ANALOGUE IC	358RA/G
IC4	1D	*	TA8255AH	ANALOGUE IC	10RA/G
IC4	1D	*	TA8255AH	ANALOGUE IC	158RA/G
IC5			TC4W66F	IC	
IC6		*	LC72146M	MOS-IC	
IC7			NJM4565M-TE2	ANALOGUE IC	
IC8			PST9137NR	ANALOGUE IC	
Q1			2SC2412K	TRANSISTOR	
Q1			2SD601A	TRANSISTOR	
Q2			DTA124EK	DIGITAL TRANSISTOR	
Q2			UN2112	DIGITAL TRANSISTOR	
Q3			DTC124EK	DIGITAL TRANSISTOR	
Q3			UN2212	DIGITAL TRANSISTOR	
Q4,5			DTC143TK	DIGITAL TRANSISTOR	158RA/G
Q4,5			DTC143TK	DIGITAL TRANSISTOR	358RA/G
Q4,5			UN2216	DIGITAL TRANSISTOR	158RA/G
Q4,5			UN2216	DIGITAL TRANSISTOR	358RA/G
Q6			DTC114YK	DIGITAL TRANSISTOR	
Q6			UN2214	DIGITAL TRANSISTOR	
Q7			2SA1037K	TRANSISTOR	
Q9,10			2SK536	FET	
Q12			2SA1037K	TRANSISTOR	
Q13,14			DTC124EK	DIGITAL TRANSISTOR	
Q13,14			UN2212	DIGITAL TRANSISTOR	
Q15-19			2SC2412K	TRANSISTOR	
Q15-19			2SD601A	TRANSISTOR	
Q20			DTC114TK	DIGITAL TRANSISTOR	
Q20			UN2215	DIGITAL TRANSISTOR	
Q21			DTA124EK	DIGITAL TRANSISTOR	
Q21			UN2112	DIGITAL TRANSISTOR	
Q22			2SA1037K	TRANSISTOR	
Q23			2SC2412K	TRANSISTOR	
Q23			2SD601A	TRANSISTOR	
Q24			DTC144EK	DIGITAL TRANSISTOR	
Q24			UN2213	DIGITAL TRANSISTOR	
Q27			DTC114YK	DIGITAL TRANSISTOR	
Q27			UN2214	DIGITAL TRANSISTOR	
Q28			2SB1443	TRANSISTOR	
Q29			2SC2412K	TRANSISTOR	
Q29			2SD601A	TRANSISTOR	
Q30			2SB1184	TRANSISTOR	

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
Q35			2SC2412K	TRANSISTOR	
Q35			2SD601A	TRANSISTOR	
Q36			2SD1760	TRANSISTOR	
Q37			DTC144EK	DIGITAL TRANSISTOR	
Q37			UN2213	DIGITAL TRANSISTOR	
Q38			2SA1037K	TRANSISTOR	
Q39			DTC144EK	DIGITAL TRANSISTOR	30RA/G
Q39			DTC144EK	DIGITAL TRANSISTOR	358RA/G
Q39			UN2213	DIGITAL TRANSISTOR	30RA/G
Q39			UN2213	DIGITAL TRANSISTOR	358RA/G
Q40			DTC114YK	DIGITAL TRANSISTOR	
Q40			UN2214	DIGITAL TRANSISTOR	
Q41			DTA124EK	DIGITAL TRANSISTOR	158RA/G
Q41			DTA124EK	DIGITAL TRANSISTOR	358RA/G
Q41			UN2112	DIGITAL TRANSISTOR	158RA/G
Q41			UN2112	DIGITAL TRANSISTOR	358RA/G
Q42			DTA124EK	DIGITAL TRANSISTOR	
Q42			UN2112	DIGITAL TRANSISTOR	
Q43			DTC144EK	DIGITAL TRANSISTOR	
Q43			UN2213	DIGITAL TRANSISTOR	
Q44			2SC2412K	TRANSISTOR	
Q44			2SD601A	TRANSISTOR	
Q45			DTC114YK	DIGITAL TRANSISTOR	
Q45			UN2214	DIGITAL TRANSISTOR	
Q47			DTA124EK	DIGITAL TRANSISTOR	30RA/G
Q47			UN2112	DIGITAL TRANSISTOR	
Q47			UN2112	DIGITAL TRANSISTOR	30RA/G
Q47			UN2112	DIGITAL TRANSISTOR	358RA/G
Q48			DTA124EK	DIGITAL TRANSISTOR	
Q48			UN2112	DIGITAL TRANSISTOR	
Q48			UN2112	DIGITAL TRANSISTOR	358RA/G
Q49			DTC144EK	DIGITAL TRANSISTOR	
Q49			UN2213	DIGITAL TRANSISTOR	
TH1			NT732ATD33KJ	THERMISTOR	
A1	2D	*	W02-1573-05	FM/AM FRONT-END	
CASSETTE MECHA. ASSY (D40-1088-05)					
1	2A	*	A10-4328-08	CHASSIS CALKING ASSY	
4	3B	*	J26-4017-08	PRINTED WIRING BOARD ASSY	
5	2A	*	J21-7778-08	MOUNTING HARDWARE	
6	2B	*	D10-4091-08	SLIDER	
7	2B	*	D13-1323-08	GEAR	
9	2B	*	D10-4092-08	ARM ASSY	
10	2A	*	D10-4093-08	ARM ASSY	
12	3A	*	A11-0930-08	SUB CHASSIS CALKING ASSY	
14	3A	*	J26-4018-08	PRINTED WIRING BOARD ASSY	
16	1B	*	G01-2826-08	TORSION COIL SPRING	
17	1A	*	D10-4094-08	SLIDER	
18	1B	*	D10-4095-08	SLIDER	
19	1A	*	D10-4096-08	ARM	
20	1A	*	J19-4736-08	HOLDER ASSY	
22	2A	*	G01-2827-08	TENSION COIL SPRING	
23	2A	*	D10-4097-08	LEVER	
25	2B	*	D10-4098-08	SLIDER	
26	2B	*	G09-2019-08	SPRING	
31	3A	*	D01-0608-08	FLYWHEEL ASSY	

E: Europe K: North America M: Other Areas

W: Without Europe

 indicates safety critical components.

PARTS LIST

*New Parts

Parts without **Part No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
33	3A	*	G01-2828-08	TENSION COIL SPRING	
34	2B	*	G01-2829-08	TENSION COIL SPRING	
35	2B	*	D10-4099-08	ARM	
36	1A	*	D10-4100-08	ARM	
37	1A	*	D14-0682-08	ROLLER	
38	1A	*	D10-4101-08	LEVER	
39	2A	*	G01-2830-08	COMPRESSION COIL SPRING	
40	2A	*	D10-4102-08	ARM	
52	2A		D13-1110-08	GEAR	
53	2B		D15-0909-08	PULLEY	
54	3B		D16-0606-08	BELT	
56	1B	*	D10-4105-08	ARM ASSY	
57	2B	*	D10-4104-08	ARM	
58	2B	*	G01-2831-08	TENSION COIL SPRING	
99	3B	*	E39-0181-08	WIRE HARNESS	
100	1B	*	J11-0618-08	CLAMPER	
101	3B		N09-4009-05	SCREW	
102	3A		N84-2003-45	SCREW	
103	3A	*	N09-4191-08	SCREW	
104	1B	*	N09-4192-08	SCREW	
105	2A		N09-4058-08	SCREW	
106	1A		N09-4109-08	SCREW	
111	3A	*	N19-2082-08	FLAT WASHER	
112	2A	*	N19-2083-08	FLAT WASHER	
113	2A	*	N19-2084-08	FLAT WASHER	
114	3A		N19-2043-08	FLAT WASHER	
115	2B		N19-2038-08	FLAT WASHER	
HD1	1B	*	T31-0219-08	PLAYBACK HEAD	
M1	1A	*	T42-0754-08	MOTOR ASSY	

E: Europe K: North America M: Other Areas

W: Without Europe

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-

 indicates safety critical components.

KRC-10R,158R,30R,358R

SPECIFICATIONS

Specifications subject to change without notice.

FM tuner section

Frequency range (50 kHz Space)	87.5 MHz – 108.0 MHz
Usable sensitivity (S/N = 26dB)	0.7 μ V/75 Ω
Quieting Sensitivity (S/N = 46dB).....	1.6 μ V/75 Ω
Frequency response (± 3.0 dB)	30 Hz – 15 kHz
Signal to Noise ratio (MONO)	68 dB
Selectivity (DIN) (± 400 kHz)	≥ 80 dB
Stereo separation (1 kHz)	35 dB

MW tuner section

Frequency range (9 kHz Space)	531 kHz – 1611 kHz
Usable sensitivity (S/N = 20dB)	30 μ V

LW tuner section

Frequency range	153 kHz – 281 kHz
Usable sensitivity (S/N = 20dB)	45 μ V

Cassette player section

Tape speed	4.76 cm/sec.
Wow & Flutter (WRMS)	0.12 %
Frequency respons (120 μ s)	30 Hz – 14 kHz (± 3 dB)
Separation (1 kHz)	40 dB
Signal to Noise ratio	54 dB

Audio section

Maximum output power (KRC-358, 30RG/RA).....	25 W \times 4
(KRC-158, 10RG/RA).....	20 W \times 4
Output power (DIN 45324, +B=14.4 V) (KRC-358, 30RG/RA).....	18 W \times 4
(KRC-158, 10RG/RA).....	16 W \times 4
Tone action	
Bass:	100 Hz ± 10 dB
Treble:	10 kHz ± 10 dB
Preout level / load (KRC-358RG/RA,158RG/RA Only)	1800 mV / 10 k Ω
Preout Impedance (KRC-358RG/RA,158RG/RA Only)	≤ 600 Ω

General

Operating voltage	14.4 V (11 – 16 V allowable)
Current consumption	
(KRC-358RG/RA,30RG/RA)	7.5 A at Rated power
(KRC-158RG/RA,10RG/RA)	7.0 A at Rated power
Installation size (W \times H \times D)	182 \times 53 \times 154 mm
Weight.....	1400 g

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